

Clean Water Act 208 Amendment

**Town of Buckeye
Trillium West
Wastewater Treatment Facility**

DRAFT

Prepared by:

**CSA Engineering
4645 E Cotton Center Blvd
Suite 169, Building 2
Phoenix, AZ 85040**

**DRAFT
December 2005**

CSA
engineering

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Town of Buckeye

December 16, 2005

Maricopa Association of Governments
Received

DEC 16 2005

Ms. Julie Hoffman
Planner
Maricopa Association of Governments
302 North 1st Ave. #300
Phoenix, AZ 85003

RE: Trillium West Wastewater Treatment
Clean Water Act 208 Amendment

Dear Ms. Hoffman:

This correspondence is to advise you that the Town of Buckeye does endorse the sewer plants in the Sun Valley Area Plan be consolidated into regional plants. Namely, the proposed Trillium Wastewater Treatment Plant will be the first phase of a 20-year regional solution as we discussed with Dale Bodiya and Ken James of Maricopa County Environmental Services and agreed to during our meeting on September 14, 2005. The existing topography of the Sun Valley Area drains south and west to a general location in the south-west corner that provides gravity sanitary sewer service for the majority of the area. It is anticipated that the first phase of the regional system located within the Trillium Community will provide an initial Phase capacity of 0.32 MGD with expansions through the fourth Phase to a capacity of 2.8 MGD. In the event that the Trillium service area expands, the developer has earmarked additional land to provide for the expansion of the Trillium WWTP to a potential 11 MGD. However, when the development west and south of Trillium begins to develop, a regional wastewater treatment facility will then be planned and it may be located at the southwest corner of the area per the Sun Valley Area Plan.

As previously stated in other letters, the proposed Trillium WWTP identified in the proposed MAG Clean Water Act 208 Amendment is a facility that will be dedicated to the Town pursuant to the development agreement. Because the adjacent Sun Valley property is not annexed, zoned nor platted, the Town recognizes that the service area for initial WWTP of a future 20-year plan will be limited to the Trillium Community.



Town of Buckeye

Finally, the Town endorses this approach to a regional wastewater treatment solution and looks forward to continuing this methodical approach.

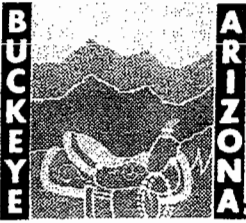
Should you have questions or comments, please contact me at (623) 386-4691.

Regards,

Carroll Reynolds
Town Manager

Attachment

cc: Mr. Dale Bodiya, P.E. - Maricopa County Environmental Services
Mr. Ken James, P.E. - Maricopa County Environmental Services



Town of Buckeye

June 9, 2005

Ms. Brenda Day
Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, AZ 85003

**Subject: Trillium Wastewater Treatment Facility, MAG 208 Amendment
Town of Buckeye, Arizona**

Dear Ms. Day,

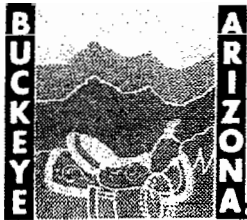
The Town of Buckeye submits herewith, this application requesting an amendment to the Regional Water Quality Management Plan in order to accommodate the Town of Buckeye's new 2.8 million gallons per day (MGD) wastewater treatment plant located approximately eight (8) miles north of interstate 10, west of the White Tank Mountains Regional Park, and east of the Hassayampa River.

The Town looks forward to working with MAG throughout this amendment process.

Sincerely,
Town of Buckeye

Carroll Reynolds
Town Manager

Cc: Ed Adair, CSA Engineering



Town of Buckeye

February 16, 2005

John Power, Manager
% Environmental Services Department
1001 N. Central Ave.
Phoenix, AZ 85004

RE: Trillium Wastewater Treatment Plant.

Mr. Power,

The Town of Buckeye is in the process of finalizing a 208 plan. In order to complete the necessary paperwork associated with this plan it is necessary to receive letters of no objection from parties in the vicinity of the planned facility. The Town is requesting a letter of no objection from Maricopa County in order to finalize the 208 plan and to move forward with the permitting and implementation of the wastewater treatment facility.

Thank you for assisting the Town of Buckeye in this matter. Should you have questions or concerns I can be reached at (623) 386-4691.

Sincerely

Carroll Reynolds, P.E.
Town Manager

Cc Ed Adair, CSA Engineering



TOWN OF BUCKEYE

June 6, 2005

Mr. Keith Watkins
JF Properties
6720 N. Scottsdale Rd. #250
Scottsdale, AZ 85253

RE: Trillium Wastewater 208 Plan / Wastewater Service Area

Dear Mr. Watkins:

I am providing this letter pursuant to our meeting on May 27, 2006 with Joel Farkas and, telephonically with, Woody Scoutten. The discussion was based on your request that the Sun Valley wastewater facilities be constructed separate from the Trillium service area in order to avoid scheduling conflicts. The following summarizes the discussion and approach generally agreed upon by the meeting participants.

The proposed Trillium WWTP identified in the attached drawing is a facility which will be dedicated to the Town pursuant to the development agreement. Since annexation, zoning and platting of the adjacent Sun Valley property has not occurred, we recognize that the service area for the Trillium WWTP shall be limited to the Trillium property. It is agreed that the developer of the Trillium Property, in an effort to assist the Town in regionalizing the WWTP needs of the area, shall consolidate the two proposed WWTP's on the Trillium Property into one WWTP to be generally located in the southwest portion of the Trillium development (see attached map).

Finally, the initial sizing of the Trillium WWTP being 320,000 gallons per day will be expanded as needed to meet treatment requirements and supply amenities with reclaimed water.

Should you have questions or comments please contact me at (623) 386-4691.

Regards,

A handwritten signature in black ink, appearing to read "Carroll Reynolds", is written over the typed name.

Carroll Reynolds
Town Manager

attachment

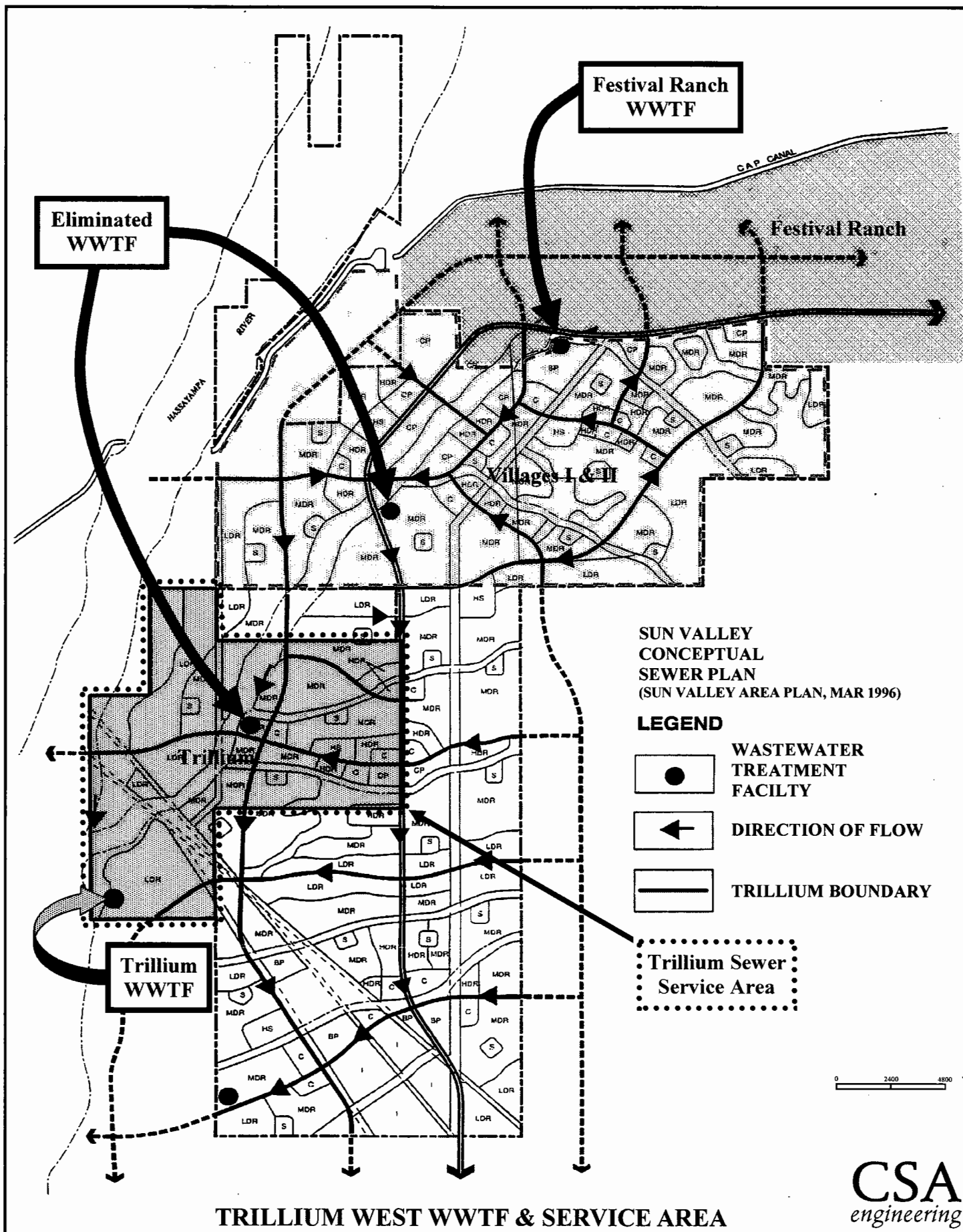


FIGURE 2



Maricopa County

Environmental Services

Water and Waste Management Division

1001 N. Central Ave., Suite 150
Phoenix, AZ 85004
Phone: (602) 506-6666
Fax: (602) 506-6925
TDD: 602 506 6704
www.maricopa.gov/envsvc

October 4, 2005

Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, AZ 85003

Attention: Ms. Lindy Bauer, Environmental Program Coordinator

Re: Town of Buckeye, Trillium West Wastewater Treatment Facility
Clean Water Act, MAG 208 Amendment

Dear Ms. Bauer:

With its transmittal dated September 30, 2005, CSA Engineering submitted a proposed MAG 208 Amendment for the Town of Buckeye, Trillium West Wastewater Treatment Facility (Draft 29 September 05). The Facility is located in the southwest quarter of Section 24 in Township 3 north, Range 5 west, in the Town of Buckeye planning area.

The document was submitted to the Department because it is located within three miles of unincorporated areas of Maricopa County.

Based on a review of the proposed 208 MAG 208 Amendment, dated 29 September 2005, the Department has determined that the proposed plant does not conflict with Maricopa County plans for the area.

The amendment only provides for facilities that serve the Trillium West development. However the developer is providing a 52-acre site "in the event the Trillium West WWTF would transition to a regional facility" (page 2). The Department is concerned that the Town of Buckeye does not have a regional wastewater master plan and, instead, is approving facilities that serve individual developments.

Please note that the Department has not reviewed, nor approved, the design of the facilities as part of the 208 review. Any technical issues that remain will need to be resolved during the design phase of the project. Approval to Construct (ATC) and Approval of Construction (AOC) must be obtained from this Department prior to start of construction and startup, respectively, of all treatment, discharge, recharge, and reuse facilities, including all conveyance facilities and final end user facilities.

If you have any questions or comments, please feel free to contact Mr. Kenneth James, PE, or myself at 506-6666.

Sincerely,

Kenneth R. James, PE FOR

Dale Bodiya, P.E.

Acting Manager, Water and Waste Management Division

cc: Carroll Reynolds, Town Manager, Town of Buckeye, 100 North Apache, Buckeye, AZ 85326
Peter Chan, PE, CSA Engineering, 4645 E. Cotton Center Blvd., Suite 169, Building 2,
Phoenix, AZ 85040
Jim Condit, PE, JF Properties Inc., 6720 N. Scottsdale Rd., Suite #250, Scottsdale, AZ 85253
File

208 AMENDMENT CHECKLIST

Section 208 Clean Water Act

40 CFR Part 130.6

REQUIREMENT	PROVIDE BRIEF SUMMARY ON HOW REQUIREMENTS ARE ADDRESSED	ADDRESSED ON PAGE:
<u>AUTHORITY</u> Proposed Designated Management Agency (DMA) shall self-certify that it has the authorities required by Section 208(c)(2) of the Clean Water Act to implement the plan for its proposed planning and service areas. Self-certification shall be in the form of a legal opinion by the DMA or entity attorney.	The Town of Buckeye is the Designated Management Agency for the Buckeye Municipal Planning Area	Please refer to Appendix C of the MAG 208 Water Quality Management Plan, October 2002.
<u>20-YEAR NEEDS</u> Clearly describe the existing wastewater (WWT) treatment facilities:	The first phase 1.0 MGD at Festival Ranch WWTF is currently under construction. This plant is located 6 miles north of the proposed Trillium West WWTF. Four other WWTF's operate within the Buckeye planning area no closer to the Trillium West WWTF than 14 miles to the south.	2
- Describe existing WWT facilities. - Show WWT certified and service areas for private utilities and sanitary district boundaries if appropriate.	There are no private utilities or sanitary districts for sewage systems within the planned area for this facility.	6
Clearly describe alternatives and the recommended WWT plan:	Interim population projections generated by MAG for the Town of Buckeye is 295,000 by the year 2026. Trillium West sewer service area population is projected to be 25,566 for the 20-year growth period 2006-2026.	3
- Provide POPTAC population estimates (or COG-approved estimates only where POPTAC not available) over 20-year period. - Provide wastewater flow estimates over the 20-year planning period.	Estimated sewage flow from the Trillium service area is projected to be 2,820,000 gallons per day by 2026, as shown in Figure 3. The TWWWTF is the first phase of a 20-year regional solution which lies within the Sun Valley Community Plan that covers approximately 16,000 acres. Land area at the WWTF is sufficient to incorporate an 11 MGD facility.	4
- Illustrate the WWT planning and service areas.	Trillium West sewer service area is shown in Figure 2. Treatment facility site area can accommodate additional service area flows if the TWWWTF becomes a regional solution in the future. (Up to 11MGD)	See Figure Section
- Describe the type and capacity of the recommended WWT plant.	Trillium West WWTF is proposed to be an activated sludge process using a modified sequencing batch reaction methodology with an initial capacity 0.32 MGD.	4
- Identify water quality problems, consider alternative control measures, and recommend solution for implementation.	No water quality problems are anticipated. Effluent will be at proposed A+ quality. Effluent will meet all limits established by the NPDES Permit, reuse permit, and recharge permit.	6
- If private WWT utilities with certified areas are within the proposed regional service area; define who (municipal or private utility) serves what area and when. Identify whose sewer lines can be approved in what areas and when?	There are several overhead electrical utilities that have easements in the Trillium West sewer service area. No other utilities exist. Water distribution and sewer collection infrastructure will be constructed by developers and upon approval by the Town of Buckeye will be transferred in ownership and operation to the town.	6

REQUIREMENT	PROVIDE BRIEF SUMMARY ON HOW REQUIREMENTS ARE ADDRESSED	ADDRESSED ON PAGE:
- Describe method of effluent disposal and reuse sites (if appropriate).	Effluent disposal will occur by means of three alternatives: various public open space reuse site throughout the service area, groundwater basin recharge at the WWTF sites, and treated effluent discharge into the Hassayampa River or Wagner Wash.	6
- If Sanitary Districts are within a proposed planning or service area, describe who serves the Sanitary Districts and when.	There are no sanitary districts within the proposed planning or service areas.	6
- Describe ownership of land proposed for plant sites and reuse areas.	Trillium West WWTF and recharge basins in conjunction with surrounding land ownership is shown in Figure 4. Currently, the Trillium West WWTF site is owned by JF Properties, the developer of Trillium West. Once construction is complete and plant commissioning has been approved, the facility and land ownership will be transferred to the Town of Buckeye.	See Figure Section "2"
- Address time frames in the development of the treatment works.	The initial phase (0.32 MGD) at Trillium West WWTF is scheduled for construction beginning the second quarter of 2006 with plant commissioning to be completed by year-end. See figure 5	See Figure Section "7"
- Address financial constraints in the development of the treatment works.	JF Properties, developer of Trillium West, will construct and operate the initial phase 0.32 MGD WWTF until acceptance /commissioning by all regulatory agencies. Initial phase construction budgeting has been identified at \$3,040,000 by the developer.	9 Appendix B
- Describe how discharges will comply with EPA municipal and industrial stormwater discharge regulations (Section 405, CWA).	All storm water will be contained onsite and there will be no offsite storm water discharge. Detailed stormwater plan will be identified in the APP.	6
- Describe how open areas & recreational opportunities will result from improved water quality and how those will be used.	The reuse of effluent will safely enhance the parks and open space while minimizing use of groundwater for irrigation.	6
- Describe potential use of lands associated with treatment works and increased access to water-based recreation, if applicable.	Not applicable.	
REGULATIONS		
- Describe types of permits needed, including NPDES, APP and reuse.	The Trillium West WWTF will require the following permits: approval to construct, approval of construction, vault and haul, air quality, and annual operation permit – permitting agency, MCS&D; APP and AZP&D – permitting agency, ADEQ; underground storage facility, and water storage facility permit – permitting agency, ADWR	7
- Describe restrictions on NPDES permits, if needed, for discharge and sludge disposal.	No discharge restrictions are known to be needed since the WWTF will produce Class A+ effluent. Sludge will be produced as a Class B and deposited in the Southwest Regional Landfill.	8
- Provide documentation of communication with ADEQ Permitting Section 30 to 60 days prior to public hearing regarding the need for specific permits.	An APP preapplication meeting was held on 6/7/05.	Appendix C
- Describe pretreatment requirements and method of adherence to requirements (Section 208 (b)(2)(D), CWA).	The Town of Buckeye will assess future industrial users and their respective manufacturing processes on an individual basis with respect to pretreatment requirements. Each prospective industrial user will be required to comply with requirements set forth by the Town of Buckeye and other regulatory requirements.	7
- Identify, if appropriate, specific pollutants that will be produced from excavations and procedures that will protect ground and surface water quality (Section 208(b)(2)(K) and Section 304, CWA).	Not applicable.	

REQUIREMENT	PROVIDE BRIEF SUMMARY ON HOW REQUIREMENTS ARE ADDRESSED	ADDRESSED ON PAGE:
- Describe alternatives and recommendation in the disposition of sludge generated. (Section 405 CWA)	Sludge will be Class B and will be deposited in the Southwest Regional Landfill. On-site sludge will be dewatered and stored in hand off bins.	8
- Define any nonpoint issues related to the proposed facility and outline procedures to control them.	Not applicable.	
- Describe process to handle all mining runoff, orphan sites and underground pollutants, if applicable.	Not applicable.	
- If mining related, define where collection of pollutants has occurred, and what procedures are going to be initiated to contain contaminated areas.	Not applicable.	
- If mining related, define what specialized procedures will be initiated for orphan sites, if applicable.	Not applicable.	
CONSTRUCTION Define construction priorities and time schedules for initiation and completion.	Construction of the initial phase of the Trillium West WWTF is scheduled to begin in the second quarter of 2006 and be commissioned for operation during the second quarter of 2007. See Figure 5	8 See Figure Section
Identify agencies that will construct, operate and maintain the facilities and otherwise carry out the plan.	JF Properties will be responsible for all phases of construction. JF Properties will be responsible for all operation of the Trillium West WWTF through the initial phase testing and commissioning approvals after which ownership and operations will be transferred to the Town of Buckeye for all future phases.	9
Identify construction activity-related sources of pollution and set forth procedures and methods to control, to the extent feasible, such sources.	Construction related pollution sources will be fugitive dust (controlled under the air quality permit requirements) and accumulation of inert waste generated during construction. Inert waste materials will be handed off and deposited in the Southwest Regional Landfill.	9
FINANCING AND OTHER MEASURES NECESSARY TO CARRY OUT THE PLAN		
- If plan proposes to take over certificated private utility, describe how, when and financing will be managed.	Not applicable.	
- Describe any significant measure necessary to carry out the plan, e.g., institutional, financial, economic, etc.	Infrastructure financing will be implemented through Community Finance District (CFD) bonds. JF Properties will finance and construct the initial 0.32 MGD phase and future expansion required to satisfy the Trillium West ultimate build out and will ultimately receive reimbursement from the CFD. Subsequent financing beyond the Trillium West development will be the responsibility of the Town of Buckeye.	9
- Describe proposed methods(s) of community financing.	Additional phased construction will be financed through developer contributions/impact fees.	9
- Provide financial information to assure DMA has financial capability to operate and maintain wastewater system over its useful life.	A memo from the Town of Buckeye that states that the Town has the financial capacity to operate and maintain the WWTF is included in Appendix B.	Appendix B
- Provide a timeline outlining period of time necessary for carrying out implementation of Plan.	A time line for carrying out the implementation of the Plan is shown in Figure 5.	See Figure Section

REQUIREMENT	PROVIDE BRIEF SUMMARY ON HOW REQUIREMENTS ARE ADDRESSED	ADDRESSED ON PAGE:
- Provide financial information indicating the method and measures necessary to achieve project financing. (Section 201 CWA or Section 604 may apply.)	A letter of understanding from JF Properties sets out the financial commitments for the initial construction phase and is shown in Appendix B.	Appendix B
<u>IMPLEMENTABILITY</u>		
Describe impacts and implementability of Plan:	No existing facilities in the proposed planning or services areas.	6, 9
- Describe impacts on existing wastewater (WW) facilities, e.g., Sanitary district, infrastructure/facilities and certificated areas.		
- Describe how and when existing package plants will be connected to a regional system.	No existing package WWTF's will be constructed with the Trillium West sewer service area since the collection system will be a gravity system which will outfall to the Trillium West WWTF.	6
- Describe the impact on communities and businesses affected by the plan.	There will be no impacts on communities or businesses anticipated.	1
- If a municipal wastewater (WWT) system is proposed, describe how WWT service will be provided until the municipal system is completed: i.e. will package plants and septic systems be allowed and under what circumstances. (Interim services)	Not applicable.	
<u>PUBLIC PARTICIPATION</u>		
- Submit copy of mailing list used to notify the public of the public hearing on the 208 amendment. (40 CFR, Chapter 1, Part 25.5)	All public notifications will be satisfied through MAG.	10
- List location where documents are available for review at least 30 days before public hearing.	All public notifications will be satisfied through MAG.	10
- Submit copy of the public notice of the public hearing as well as an official affidavit of publication from the area newspaper. Clearly show the announcement appeared in the newspaper at least 45 days before the hearing.	All public notifications will be satisfied through MAG.	10
- Submit affidavit of publication for official newspaper publication.	All public notifications will be satisfied through MAG.	10
- Submit responsiveness summary for public hearing.	All public notifications will be satisfied through MAG.	10

1.0 Executive Summary

In accordance with Section 208 of the Clean Water Act, the Maricopa Association of Governments (MAG) is the Designated Regional Water Quality Management Planning Agency. This application is to request an amendment to the Regional 208 Water Quality Management Plan in order to accommodate the Town of Buckeye Trillium West Wastewater Treatment Facility with Phase 1-4 capacity of 2.8 million gallons per day (MGD). This site could be expanded to accommodate areas outside the Trillium West service area, up to a capacity of 11 MGD. The Trillium West development comprised of 3,042 acres is generally located 8 miles north of Interstate 10, west of the White Tank Mountains Regional Park, east of the Hassayampa River, and south of the Bell Road westerly extension which transitions into the Sun Valley Parkway. The Trillium West development is shown in Figure 1. This site could be used for a regional treatment facility of up to 11 MGD.

JF Properties will build a 2.8 MGD Wastewater Treatment Facility with an initial 0.32 MGD phase. Subsequent phases, as detailed in Figure 4, will be built as market forces dictate growth rate in the master planned community. In all events, future phased expansion will be financed through developer contributions as development occurs in the sewer service area.

Trillium West Wastewater Treatment Facility will produce Class A+ effluent that will be disposed of using three alternatives: primary disposal will be through recharge basins or injection wells which will allow the Town of Buckeye to receive groundwater recharge credits. Other effluent disposal will be through reuse at various parks and open-space landscaping amenities throughout the service area. An AZPDES permit will be obtained for disposal of treated effluent into the Hassayampa River drainage or Wagner Wash in cases of emergency discharge needs.

Construction for the initial phase will be scheduled to begin in the second quarter of 2006 and commissioned for operation in April of 2007. Once the initial phase of construction is completed and commissioning of the facility has been approved and permitted for operation, ownership and operational responsibilities will be transferred to the Town of Buckeye.

A summary of the amendment request is provided in accordance with the Clean Water Act, Section 208 checklist. The checklist references where various issues were addressed within this document.

2.0 Authority

In accordance with Section 208 of the Clean Water Act, The Maricopa Association of Governments is the Designated Regional Water Quality Management Planning Agency.

The proposed facility is to be located within the planning area for the Town of Buckeye.

3.0 20-Year Needs

A description of the 20-year needs, including adjacent area wastewater facilities,

topographic conditions for the service area, growth estimates during the 20-year period, as well as descriptions of the proposed Trillium West Treatment Facility is addressed in this section.

3.1 Description of Existing Wastewater Treatment Facilities (WWTF)

The nearest existing wastewater treatment facility, which is not yet commissioned for operation, is the Festival Ranch WWTF located north of the Sun Valley Community, a master planned area of which Trillium West is a part. Phase 1 of Festival Ranch WWTF is currently under construction and will have a treatment capacity of 1.0 MGD with an ultimate planned capacity of 4.0 MGD. This WWTF will be located approximately six miles north of the Trillium WWTF.

Four other WWTFs are currently in operation within the Buckeye planning area. The Town of Buckeye operates a 0.6 MGD WWTF located approximately 17.5 miles to the southeast of the proposed Trillium West WWTF. The second WWTF is the Lewis Prison Complex WWTF located on SR-85 approximately 28 miles south-southeast of the proposed Trillium West WWTF. Sundance WWTF located approximately 15.5 miles to the southeast and the Verrado WWTF located approximately 14 miles to the east-southeast of the proposed Trillium West WWTF are the third and fourth plants. Both the Lewis Prison Complex WWTF and the Verrado WWTF are not owned or operated by the Town of Buckeye.

3.2 Description of the Proposed Trillium West Wastewater Treatment Facility

3.2.1 Site Location and Property Ownership

The proposed location of the Trillium West WWTF is in the southwest quarter of Section 24 in Township 3 North, Range 5 West of the Gila and Salt River Base and Meridian, Town of Buckeye, Maricopa County, Arizona. The Trillium West service area includes portions of sections 7, 8, 17, and 18 in T3N, R4W. Sections 13, 24, and the east ½ Section 12 in T3N, R5W. Other areas outside the existing Trillium West service area may be included when the regional WWTF concept takes effect.

As illustrated on the Vicinity Map, Figure 1, the Trillium Development is accessible from Sun Valley Parkway, which intersects with Interstate 10 at its south terminus. The Sun Valley Community Master Plan was approved by the Town of Buckeye council on April 16, 1996. Along with this plan, the Buckeye Town Council approved a preliminary wastewater master plan shown in Figure 2. This preliminary wastewater master plan identified five treatment plant sites, two of which has since been eliminated by the consolidation of the wastewater treatment facilities in the service area.

Trillium West WWTF will be approximately six miles south of the Festival Ranch WWTF. The Trillium West WWTP and Service Area, Figure 2 shows the location of the proposed 52 acre site, its proximity to other proposed development and the Hassayampa River. Once actual sewage flows per dwelling unit can be documented from the initial phase, treatment site area requirements and hydraulic capacities will be adjusted. Sufficient land area will be made available at the treatment facility site in the event the Trillium West WWTF site would transition to a regional facility. However, it is recognized and understood that there may be other alternatives for consideration in the future. Currently, the Trillium West WWTF site is owned by JF Properties, the developer of Trillium West. Once construction is complete and plant commissioning

has been approved, the facility and land ownership will be transferred to the Town of Buckeye. The Town of Buckeye will own and operate all recharge areas where reclaimed water would be recharged. Private entities, including various homeowners associations, would own reuse sites such as greenbelt areas, gateway entrances, schools, and community parks.

3.2.2 Topographic Conditions

The existing grade within the proposed Trillium West WWTF service area slopes generally to the west at an approximate slope of 0.013 ft/ft. The proposed site consists of primarily undeveloped desert landscape. Major hydrologic features include the Hassayampa River, which borders the proposed Trillium West site to the west, and Wagner Wash, which traverses the proposed site from northeast to southwest.

3.2.3 Service Area and Population Estimates

Maricopa Association of Governments has developed Interim Population projections for various county-wide cities. The Town of Buckeye's projected population for the 20-year growth period ending 2026 is 295,000. Trillium West WWTF is planned to accommodate a portion of this population.

Considering the population densities estimated per household, total residential population for Trillium West is estimated to be 25,566 at build-out. The Land Use Budget shown below identifies land use plans for the Trillium West development.

Land Use Budget for Trillium West Sewer Service Area

Trillium West

Trillium Land Use Table	Acreage (acres)	Density Range (du/acre)	Average Density (du/acre)	Dwelling Units
Low Density Res	646	1 to 3	1.58	1,844
Medium Density Res	1,084	3 to 6	3.89	5,318
High Density Res	80	6 to 20	17	1,600
School	97			
Commercial/Office	107			
Open Space	1,028			
Total	3,042		2.9*	8,816

* Net density per Town of Buckeye ordinance.

Single family residential units in Trillium West are projected to be built at an annual rate of 480, beginning in 2006, while multi family units will come on line at a build out rate of 200 units per year beginning in the year 2016 and for six years thereafter. At this projected build out, Trillium West is expected to reach 100 percent absorption in the year 2022.

As shown in Figure 3, the initial 0.32 MGD treatment capacity would be exhausted in 2008. At that point a subsequent expansion phase would be required in order to ensure the continued issuance of building permits. Exact phasing will be contingent upon the home building market forces and rate of in-fill within the Trillium West sewer service area. The 20-year growth period shown in Figure 3 projects the total 8,816

residential units and a required sewer treatment capacity of approximately 2.8 MGD for the Trillium West service area. If the TWWWTF becomes a regional solution, it would have a capacity of up to 11 MGD. This will be dependent upon the growth and development of the areas outside the Trillium West service area.

3.2.4 Estimated Wastewater Flow

Projected wastewater flows from the Trillium West service area is summarized in Table 3.1.

Table 3.1 Flow summary for the area serviced by the proposed Trillium West WWTF

<i>Description</i>	<i>Population</i>	<i>Residential Dwelling Units</i>	<i>Acres</i>	<i>Flow (gal/unit/day)</i>	<i>Average Daily Flow (gpd)*</i>
Trillium West	25,566**	8,816	3042	320	2,821,120

* Peak daily and peak hourly flows will be assumed at 2X and 3X ADF, respectively.

** Population is based upon Town of Buckeye average population density of 2.9 capita per dwelling unit and not Maricopa County's mandated 3.2 capita per dwelling unit which identifies a higher hydraulic loading.

3.2.5 WWTF Description

The Trillium WWTF will be a multiphase facility consisting of an initial 0.32 MGD phase, up to a total of 2.8 MGD, based upon average daily flow. Subsequent phases (up to 11 MGD) could be constructed at this site. Treatment elements/units will be sized to accommodate peak day and hour demands. The initial phase will consist of the following process units:

- Influent pump station consisting of one duty and one standby submersible pump, and a wet well. The lift station will be equipped with an odor control system.
- Headworks will consist of flow metering, and fine screens. The headworks will be enclosed to prevent odor and vector attraction.
- Biological treatment will consist of a Sequencing Batch Reactor (SBR) system. The SBR will be enclosed and outfitted with air exhaust carbon scrubbers to control odors. The system will be programmed to include anoxic sequences within the treatment cycles to reduce the nitrogen levels in the mixed liquor.
- An aerobic digester will be used to further reduce the volatile solids. The digester will also be enclosed and outfitted with granular activated carbon (GAC) adsorbers.
- Thickened sludge will be processed in the sludge handling facility to produce sludge cake that can be safely disposed of in a landfill. Waste activated sludge (WAS) pumping is integral process to the aerobic digester system.
- Filtration will be included in the system to produce an effluent quality of less than 5 NTUs.
- Ultraviolet radiation will be used to disinfect the tertiary effluent in order to meet the requirements of A+ classification. A backup disinfection system using 12% bulk sodium hypochlorite solution will be provided.
- Tertiary Class A+ effluent will be percolated on site.
- Backup power generator will be provided.

Figure 4 shows the transition from the initial 0.32 mgd SBR system to a full nitrifying-denitrifying (ndn) Modified Ludzack Ettinger (MLE) process. The expansion phase will include a new process train that is capable of treating 0.93 mgd (average flow). A 2x

peak day factor and a 3x peak hour factor will be used in the design of the new ndn-MLE treatment train. The expansion phase will include the following process units:

- A new influent pump station wet well will be sized for the ultimate build-out capacity. One duty and one standby submersible pump will be installed. Two additional slots will be provided for future pumps.
- The expansion phase will also include a centralized wet scrubbing and GAC polisher for plant-wide odor control.
- Headworks will be upgraded to include flow metering, fine screens and degritting. The headworks will be enclosed.
- The ndn-MLE process will consist of a fine bubble system and a submersible pump and flow metering system designed for accurate liquor recirculation. Blowers will be housed in an enclosed building with proper sound attenuation.
- Secondary clarifiers will produce effluent with less than 20 mg/l of suspended solids. Settled sludge will be sent to the RAS/WAS facility.
- Tertiary filters will be used to produce effluent with 65% transmittance and turbidity levels to meet the requirements of a class A+ effluent. Tertiary effluent will be recharge via recharge basins and/or injection wells.
- High intensity (low pressure) ultraviolet radiation will be used to reduce the microbial population and comply with the ADEQ Class A+ requirements. A backup disinfection system using 12% bulk sodium hypochlorite solution will be provided.
- Sludge will be processed in the solids handling room. Sludge cake will be disposed safely in a municipal landfill.
- The plant will be fully automated using a centralized programmable logic controller (PLC).
- Backup power generator will be provided.

The design layout for the initial 0.32 MGD phase and the Phase 4, 2.8 MGD is shown in Figure 4. The treatment plant process will be based upon and operated in oxic-anoxic modes to achieve sufficient denitrification. Design will be based upon a hydraulic loading of 100 gallons per capita per day average annual daily flow with a County mandated average capita per dwelling unit of 3.2 persons. Biological loading will be designed for a 300 mg/L BOD, 300 mg/L suspended solids and 45 mg/L Total Nitrogen daily loading factors.

The treated effluent will meet ADEQ Title 18, Chapter 11 requirements for Class A+ reclaimed water, and the effluent water quality will conform to the following:

- Turbidity < 2 NTU (24 hour mean)
- Turbidity < 5 NTU (any time)
- Fecal Coliform = none detected (4 or 7 samples)
- Fecal Coliform < 23 CFU/100mL (any time)
- Total Nitrogen < 10 mg/L (5 day mean)

Because the initial introduction of sewage from a hydraulic standpoint will be dictated by the rate of home building in the Trillium West service area, a vault and haul disposal process will be employed. A bioreactor basin will be used for storage and treatment. A process to enhance treatment under low flow conditions will be implemented and solids will be hauled to the Town of Buckeye's existing treatment facility for further treatment. This mode of operation will continue until the hydraulic and organic loading to the treatment plant reaches a treatable capacity level. The vault and haul operation will be permitted and operated under the Town of Buckeye's authority.

Digested waste sludge will be thickened and dewatered using a mechanical dewatering process such as a centrifuge. The dewatered sludge cake will be then hauled to the southwest Regional landfill, operated by Allied Waste Management. The sludge cake will be classification B in accordance with R18-9-1006, *Class A and Class B Pathogen Reduction Requirements*.

3.2.5.1 Effluent Disposal and Quality Requirements

Effluent disposal options for the Trillium West Service Area will include a combination of future use options:

1. Groundwater recharge basins located at the treatment plant site.
2. Water amenities for gateway entrances within a development, parks, open space landscaping, schools, and other open space amenities.
3. AZPDES permit to allow for discharge of treated effluent in the Hassayampa River or Wagner Wash in close proximity to the treatment facility site only during an event when both reuse and recharge are not available.

Initial effluent disposal will be through the use of recharge basins for which the Town of Buckeye can receive groundwater recharge credits. The basins will be sized using in situ geotechnical investigation to determine percolation rates, depths to groundwater, and soils materials characteristics. Recharge basins will be designed to allow for alternate wetting (percolation) and basin drying cycles to maintain percolation rate efficiencies over time.

Effluent quality will be classified as A+ Reclaimed Water. This level of water quality will meet the requirements for all types of reuse and will comply with effluent reuse regulations of the Arizona Administrative Code, Title 18, Chapter 9.

3.2.5.2 Storm Water Discharge

On-site run-off from storm events will be retained on site: grading will be designed to capture all stormwater runoff and be retained in retention basins on site.

3.3 Sanitary Districts, Private Utilities, and WWTF Service Areas

The location of the Trillium West WWTF and service area is shown in Figure 2. There are no existing private wastewater treatment collection or facilities, sanitary districts, or certified service areas that are within the Trillium West Service Area.

Trillium West infrastructure will include water distribution and sewer collection. Sewer outfall pipelines to the Trillium West WWTF will be sized to accommodate the ultimate build-out for the Trillium West service area. Should additional service areas be added to the Trillium West service area, over-sizing or parallel sewers will be constructed.

3.4 Summary of Alternatives

The Town of Buckeye considered alternatives for the treatment and conveyance of sewage from the perspective of an entirely new annexation comprised of some the 325 square miles of land ranging as far north from its former northern boundary at approximately Interstate 10 to the alignment extension of Jomax Road, 20 miles

further north. Certain sections of this annexation were involved with master planning that was incorporated into the Town of Buckeye General land Use Plan. These major master planned areas included developments known as Verrado, Tartesso, Festival Ranch, Douglas Ranch and Sun Valley Community. Each planned area will generate the need for independent water and sewage infrastructure because of their individual timing for development, phasing needs, and remoteness.

Trillium West WWTF is the first phase of a 20-year regional solution and lies within the Sun Valley Community Plan boundary that is comprised of approximately 16,000 acres. The original planning for the community envisioned five separate wastewater treatment plants. Alternatives were addressed for minimizing the number of individual treatment plants through the implementation of sub-regional areas and consequently, a reduced number of treatment facilities. The resulting preferred alternative for the Sun Valley Community Plan was to reduce the number of treatment plants from five to a total of three. The two Trillium West Treatment Facilities were consolidated into one plant. Additional land at the Trillium West site is available in the event the Trillium West WWTF site becomes a regional site. However, other siting alternatives may be more effective in the future.

3.5 Permitting Requirements

The Trillium West WWTF will require the following permits:

Permit	Permitting Agency
Approval to Construct (ATC)	Maricopa County Environmental Services Department
Approval of Construction (AOC)	Maricopa County Environmental Services Department
Aquifer Protection Permit (APP)	Arizona Department of Environmental Quality
Underground Storage Facility Permit Water Storage Permit	Arizona Department of Water Resources
Arizona Pollutant Discharge Elimination System (AzPDES) Permit	Arizona Department of Environmental Quality
Vault and Haul Permit	Maricopa County Environmental Service Department
Air Quality Permit	Maricopa County Air Quality Control
Annual Operation Permit	Maricopa County Environmental Services Department

An APP pre-application meeting for the Trillium West WWTF was held with ADEQ on June 7, 2005. Meeting documentation is shown in Appendix C. A Notice of Intent (NOI) will be filed with the ADEQ prior to start of construction activities.

3.6 Pretreatment Requirements

There are no industrial users located in the Trillium West Development and therefore no pretreatment is anticipated for the initial phase. Each prospective industrial user will be required to be in compliance with all pretreatment requirements dictated by the Town of Buckeye and all federal pretreatment requirements as provided in 40 CFR Part 403 and enforced by Arizona Department of Environmental Quality.

3.7 Sludge Management

Sludge processing will include digestion, thickening and dewatering for the Trillium West WWTF. During the startup period of the initial phase, sewage will be temporarily stored on site in a sludge holding tank. A process to enhance treatment under low flow conditions will be implemented and solids will be hauled to the Town of Buckeye's existing treatment facility for further treatment. This mode of operation will continue until the hydraulic loading to the treatment plant reaches a treatable capacity level. Once sewage flows build to the volume that the treatment plant can be successfully operated, the vault and haul operation will cease.

Thereafter waste activated sludge will be digested, thickened, and mechanically dewatered. The dewatered sludge will be stored in haul-off containers and periodically hauled to the Southwest Regional Landfill for final disposal. The sludge will be Class B in accordance with R18-9-1006. There is not an end user identified for this product at this time; however, the options for sludge disposal will remain open. Until such time as there is a market for the sludge, it will be delivered to the landfill for disposal. A valid sludge hauler and sludge disposal permit will be obtained by the Town of Buckeye.

4.0 Construction and Operation Responsibility

Initial phase construction of the Trillium West WWTF will be the responsibility of the developer, JF Properties, Inc. In order to accommodate the Trillium West residential building schedule, construction of the 0.32 MGD treatment facility must be started no later than the second quarter of 2006 with an anticipated plant commissioning to occur during the second quarter of 2007. A critical path schedule is shown in Figure 5.

Once the treatment plant is commissioned, a Maricopa County Approval of Construction Certification is issued and approval by the Town of Buckeye has been granted, the initial phase ownership of facilities will be transferred to the Town of Buckeye. Timing for future WWTF expansion beyond the initial phase will depend upon population growth in the service area. A projection of population growth shown in Figure 3 anticipates the need for plant expansion to occur in 2008.

In the beginning of the initial phase, a vault and haul process will be implemented until there is sufficient service volume to ensure a fully viable treatment process. The vault and haul process will be under the responsibility and operational control of the Town of Buckeye.

4.1 Sources of Construction Pollution

Construction of the Trillium West WWTF will not be a pollution intensive activity. Anticipated pollutants may include dust from construction activities, construction-related solid waste, and disposal of other inert materials. The construction will be conducted under an Air Quality Permit from Maricopa County, and will comply with the provisions of the permit. Any wastes generated during construction will be properly managed and disposed of at the Southwest Regional landfill.

5.0 Financing

5.1 Financing Plan

Infrastructure financing for the wastewater facility, sewer collection, potable water supply and distribution will be financed through established Community Finance District (CFD) bond issuances. Plant construction financing for the initial 0.32 MGD phase is budgeted for \$9.50 per gallon in the total amount of \$3,040,000 and will be ultimately reimbursed through the CFD process. As noted in Section 3.2, Description of the Proposed Wastewater Treatment Plant, the initial phase is projected to satisfy first phase capacity requirements for Trillium West.

An amendment to the existing Development Agreement between JF Properties and the Town of Buckeye to the Trillium West Development Agreement will have final financial arrangements made to the satisfaction of the Town. JF Properties will own, operate and maintain the plant through testing, commissioning, and regulatory approvals. Thereafter plant ownership, operation, and maintenance will be assumed by the Town of Buckeye.

The Trillium West sewer collection system will be designed to accommodate build out flows from the Trillium West service area in its collection system as well as the sewer outfall pipelines. Outfall sewer pipelines will be designed and constructed for the Trillium West service area flows. In the event, the facility becomes a regional plant, additional sewer lines will be constructed to convey the additional flows.

During the early stages of initial plant operation, treatment in terms of biological reduction of sewage may not be possible, thus requiring a vault and haul operation as noted in Sections 3.2.5 and 3.7. The permitting and operational responsibility for the activity will be the responsibility of the Town of Buckeye. However, the financing for this part of the operation will be the responsibility of JF Properties until such time as the plant can treat and discharge effluent that will meet the A+ Classification.

6.0 Impacts and Implementation

6.1 Implementation Plan

This application identifies a separate service area for the Trillium West WWTF. The initial phase is anticipated to be completed by April 2007. The initial phase is anticipated to have a treatment capacity of 0.32 MGD. Remaining phases will be added, as needed depending on market demand. In general, design for each additional phase should begin when 80% of the plant capacity has been reached. At that time actual sewage flows per dwelling unit will be known from historical flow measurement by which hydraulic treatment capacity will be calculated. Construction

for each expansion phase should begin when 90% of the plant capacity has been reached. Phase 4 capacity of the Trillium West WWTF will be 2.8 MGD. Treatment capacity beyond the Phase 4, 2.8 MGD will be implemented in phases up to 11 MGD, if the WWTF becomes a regional solution. A start-up plan will be submitted to the Town of Buckeye once a contract has been awarded for final design of the treatment facility.

6.2 Impacts of the Proposed Plan

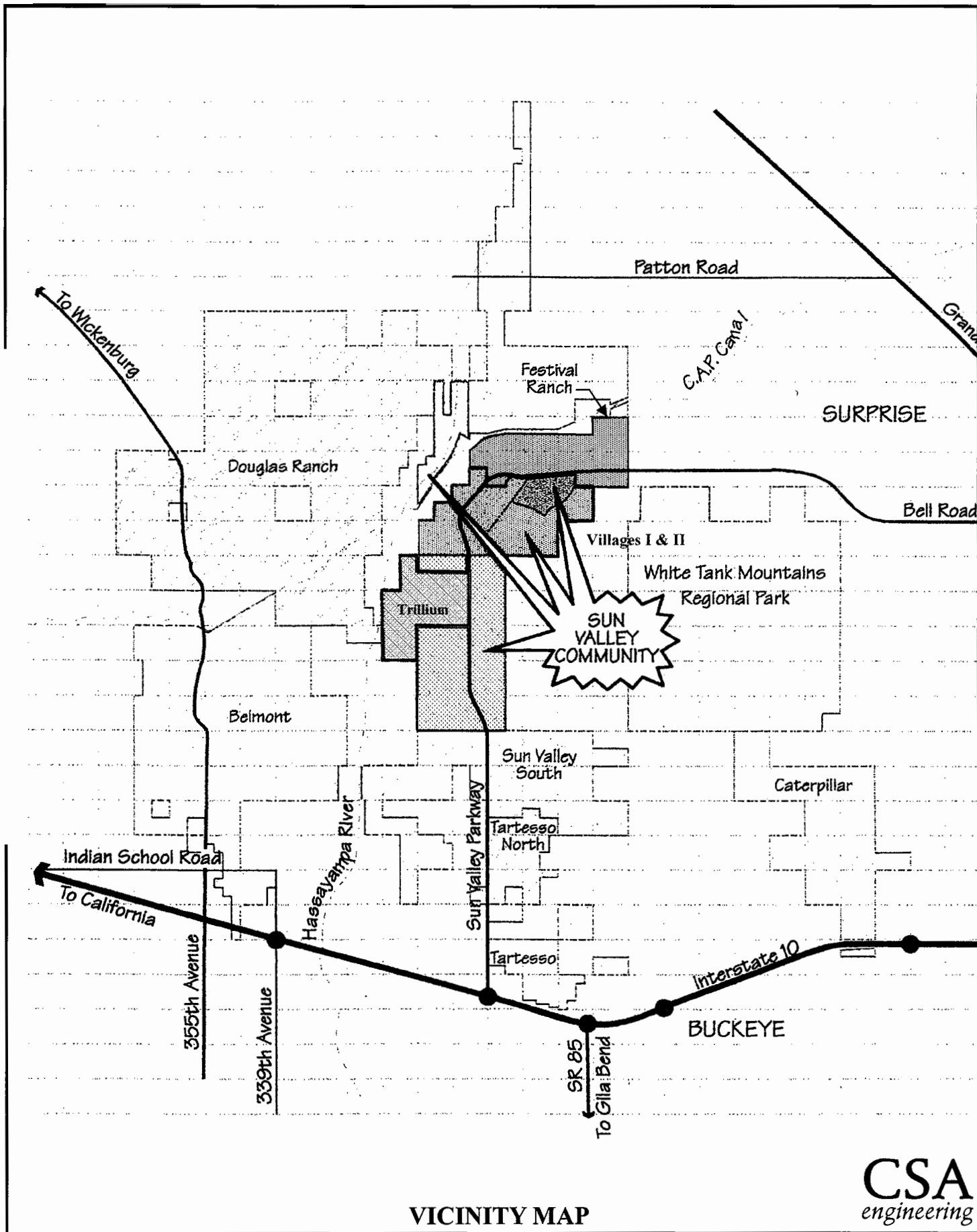
The implementation of Trillium West WWTF is not anticipated to have any impact on adjacent municipalities, existing service areas, sanitary districts, or other communities. The treated effluent reuse, or recharge is not anticipated to increase odor or vector concern.

7.0 Public Participation

MAG is responsible, with the cooperation of the Town of Buckeye, for ensuring that required public participation requirements are followed as outlined in 40 CFR 25. The following constitute the minimum requirements:

- Submittal of a mailing list used to notify the public of the public hearing.
- Listing of locations where documents are available for review at least 30 days prior to the public hearing.
- Publication of public notice for the public hearing with information on time, date, subject, and location of public hearing at least 45 days prior to the public hearing.
- Submittal of an affidavit of publication for official newspaper publication.
- Submittal of a responsiveness summary following the public hearing.

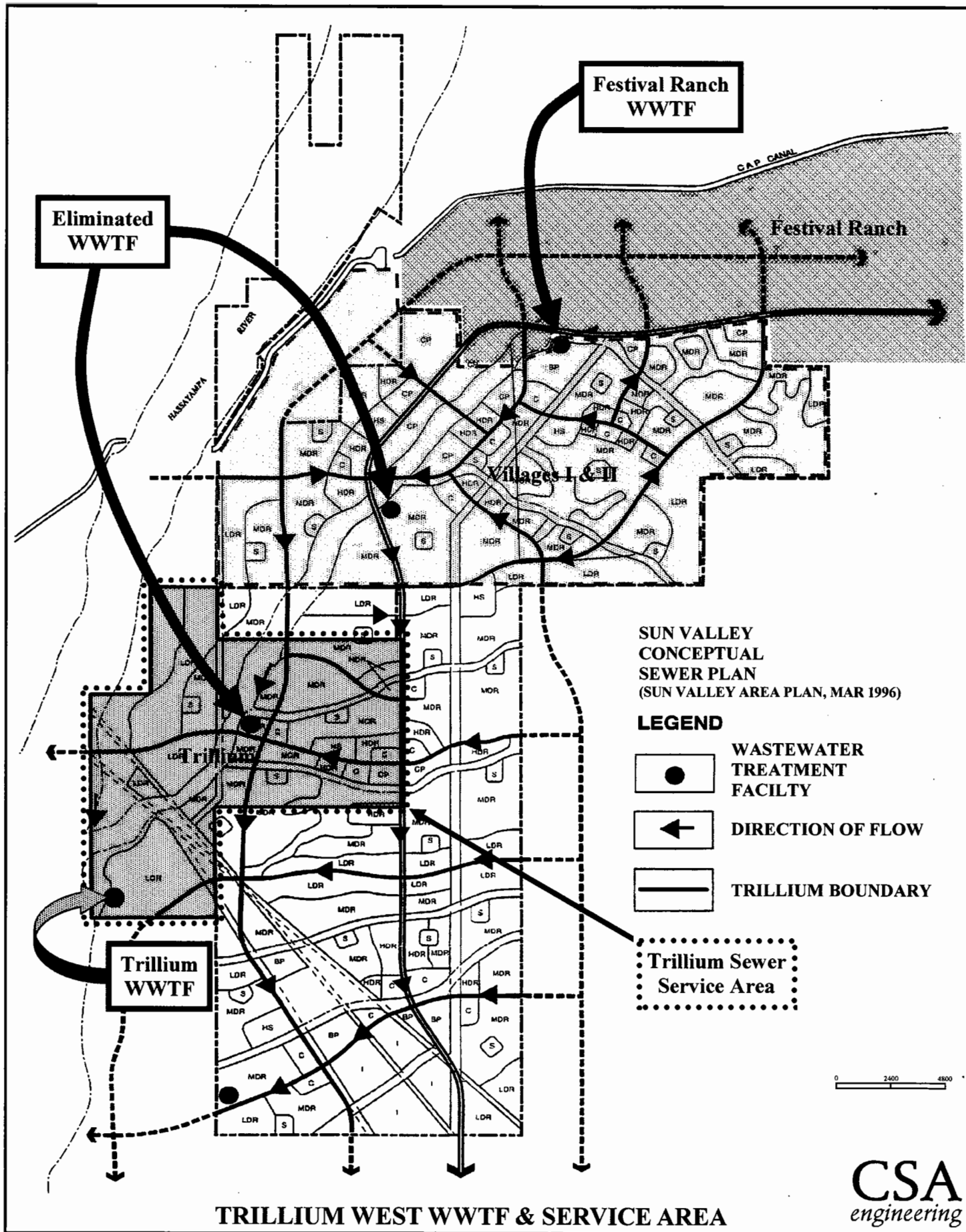
Figures



VICINITY MAP

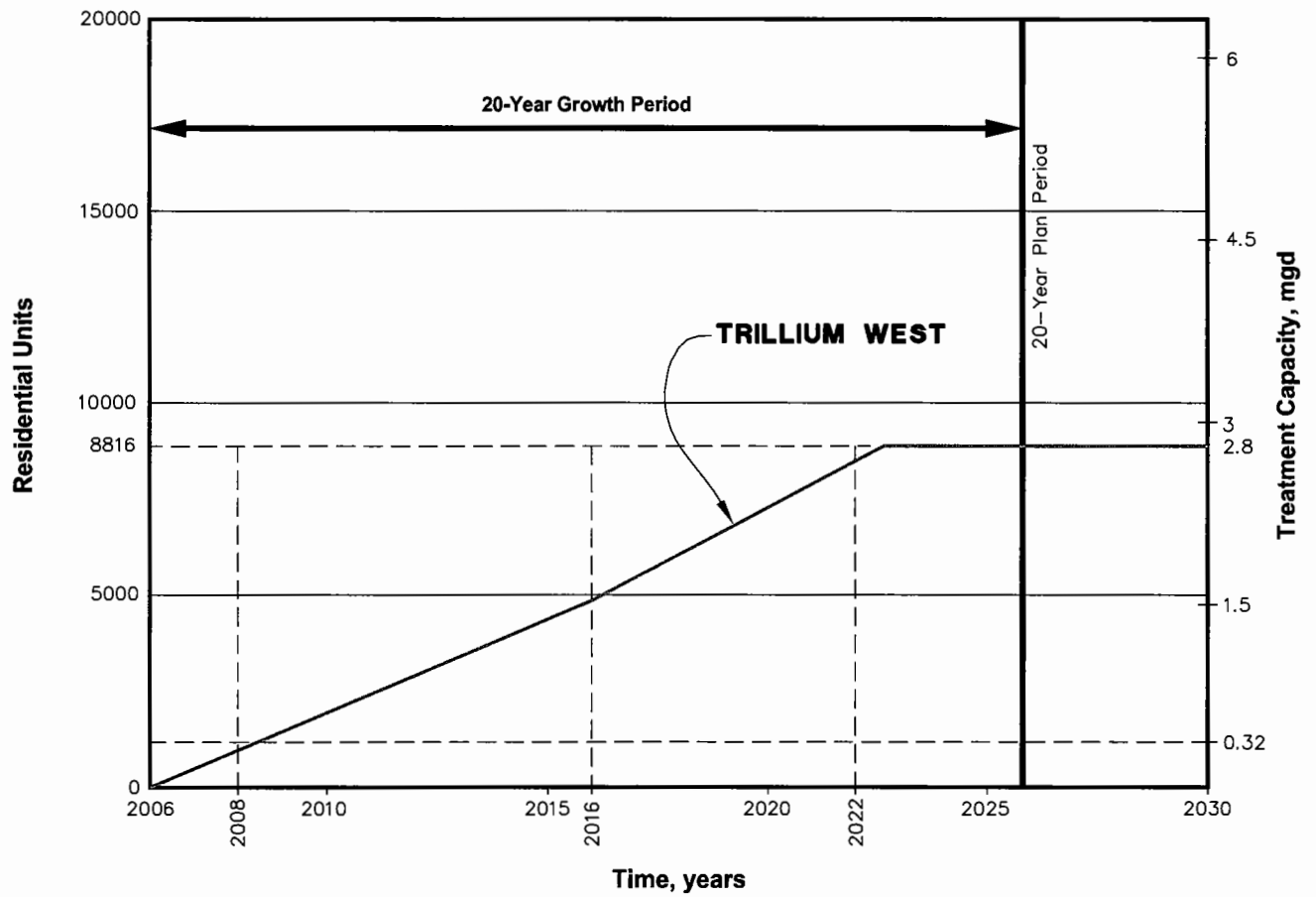
CSA
engineering

FIGURE 1



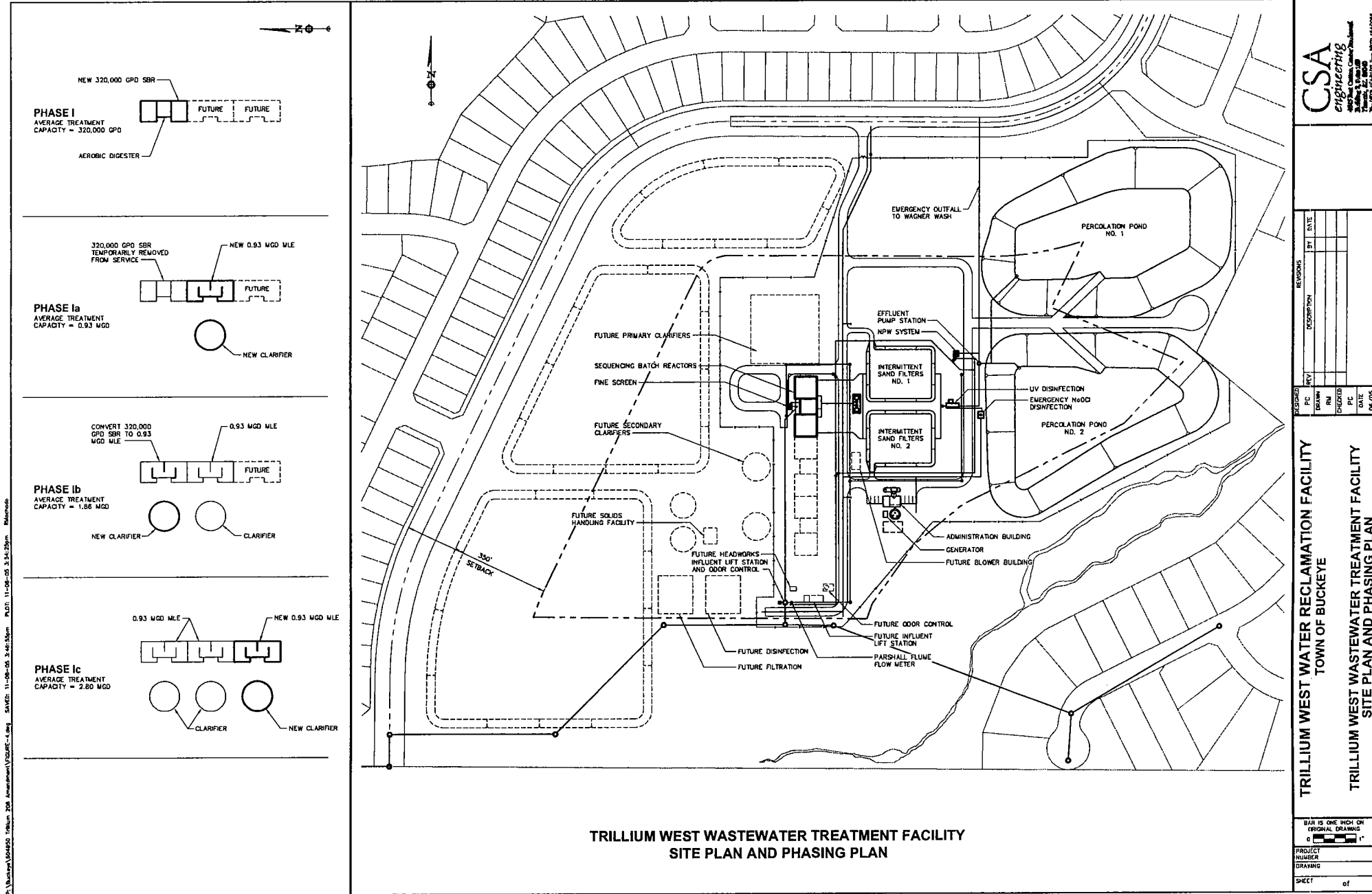
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engineering

FIGURE 2

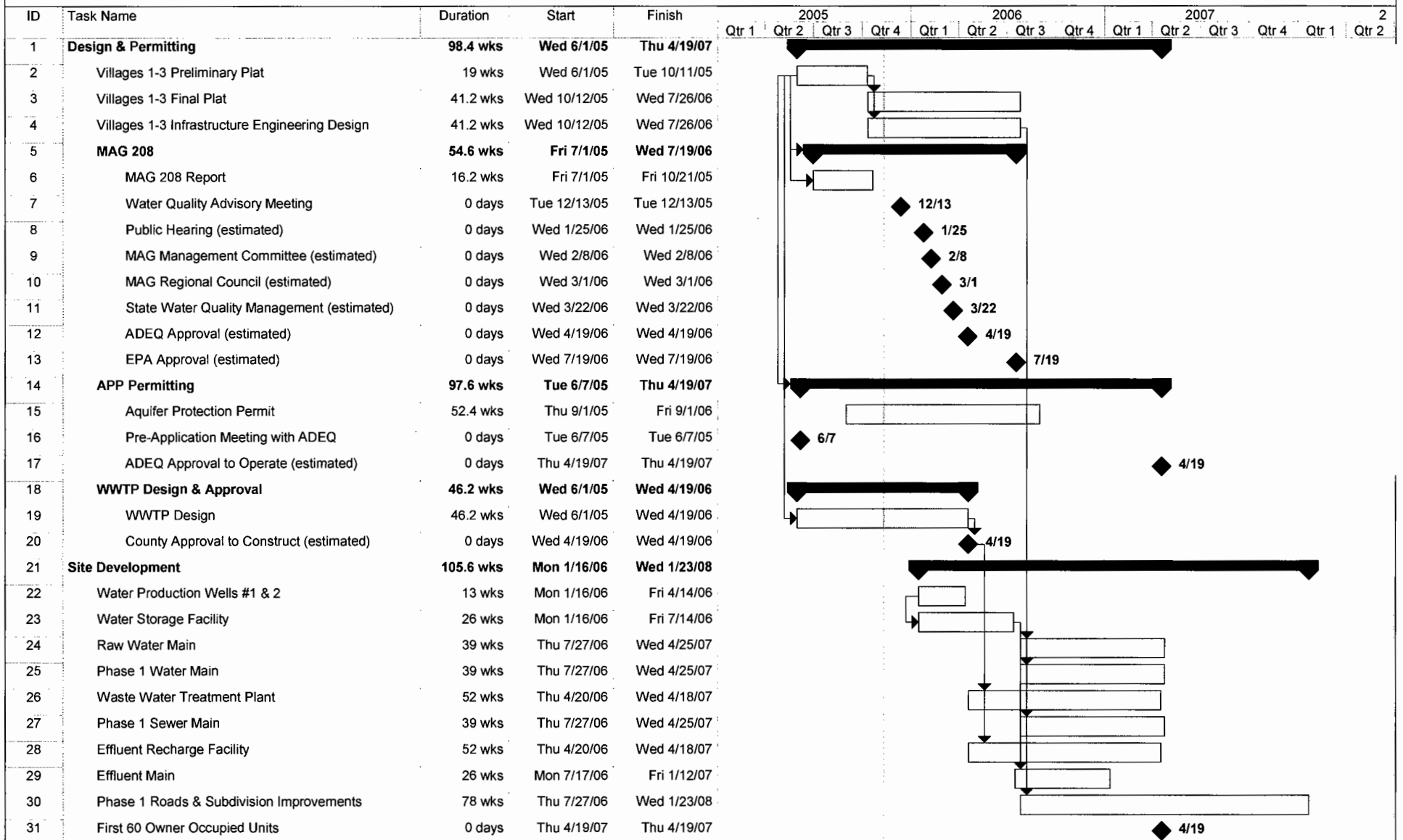


**Trillium West Service Area
Projected 20-Year Growth**

FIGURE 4



Trillium West Development Schedule



Project: Trillium West
Date: Thu 11/10/05

CSA
engineering

Task



Milestone



External Tasks

Split



Summary

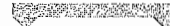


External Milestone

Progress



Project Summary



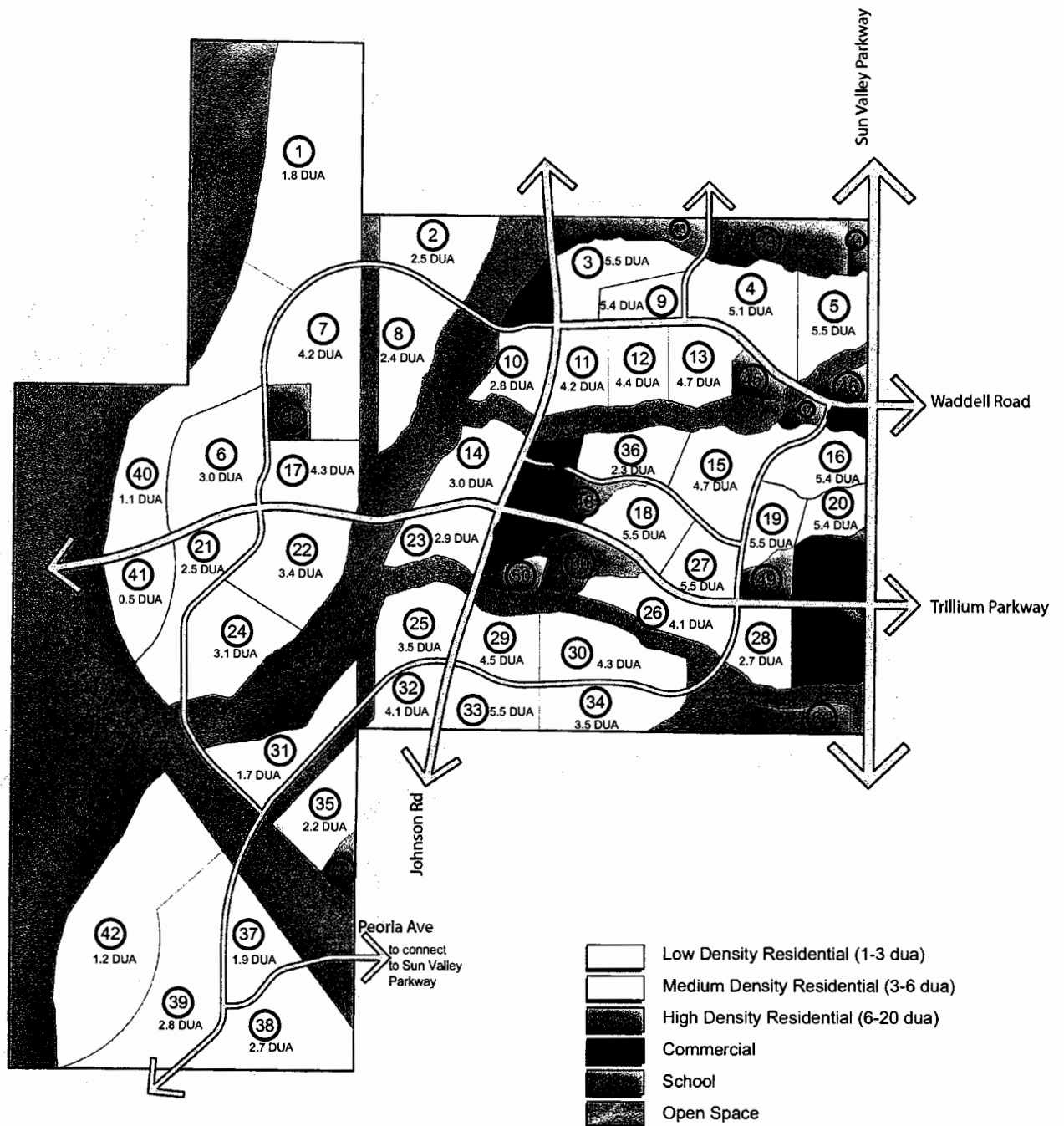
Deadline



Appendices

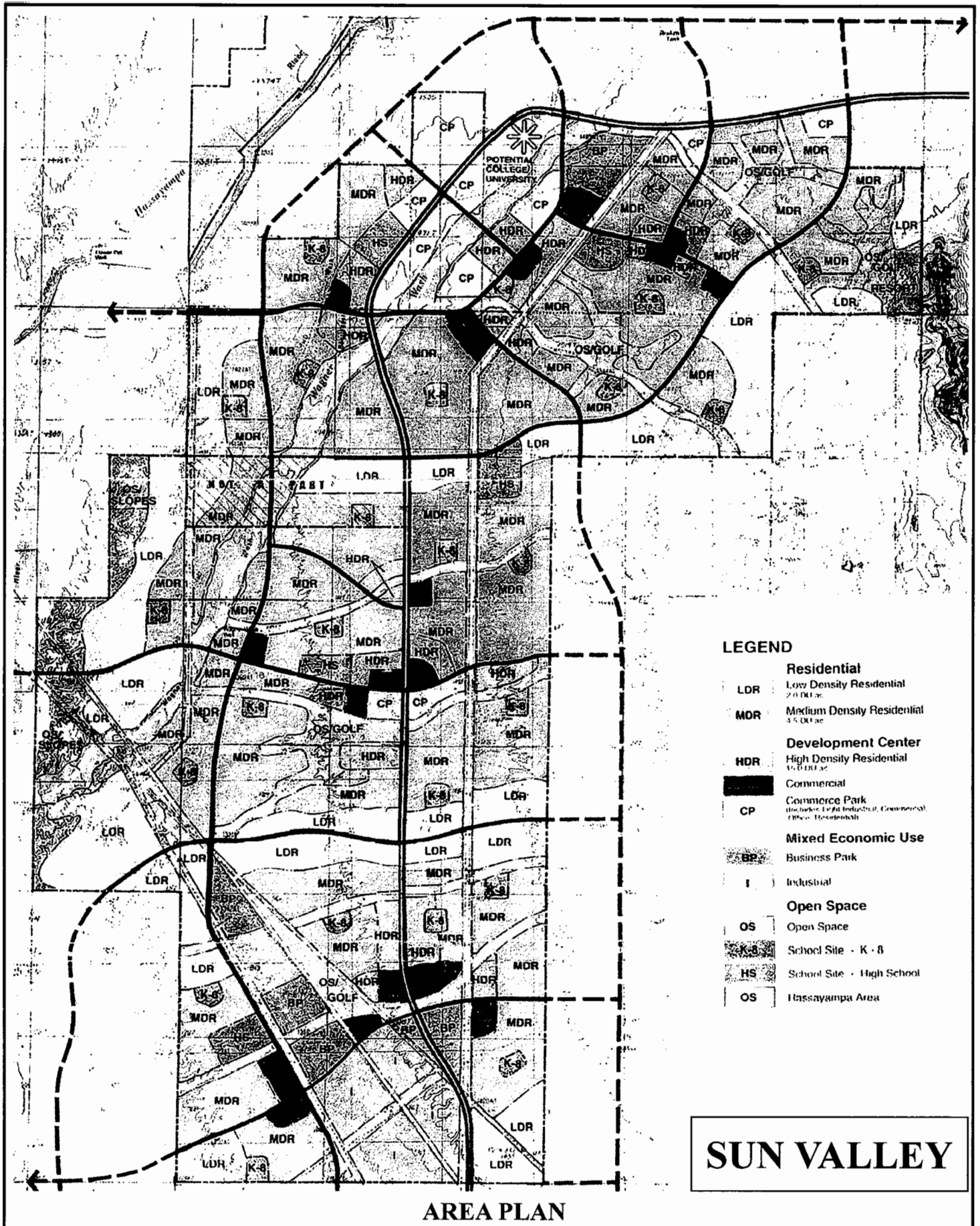
Appendix A

Maps



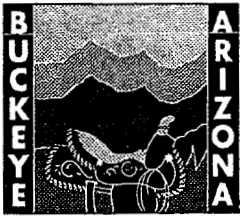
CONCEPTUAL LAND USE PLAN

CSA
engineering



Appendix B

Financial Information



Town of Buckeye

September 20, 2005

Ms. Brenda Day
Maricopa Association of Governments
302 North 1st Avenue, Suite 300
Phoenix, AZ 85003

RE: Financial Assurance

Dear Ms. Day:

In accordance with the Town of Buckeye policy for obtaining a mutually acceptable agreement between a developer who is required to construct certain infrastructure in support of community development, including wastewater treatment facilities and the Town of Buckeye, an agreement will be executed which will detail the transfer of ownership of the Trillium West Wastewater Treatment Facility to the Town of Buckeye based upon certain conditions. Upon the transfer of ownership, the Town of Buckeye will assume operation and maintenance of the facility in perpetuity.

Financial means to provide operation and maintenance will be assured through a number of revenue resources available to the Town. These include, but are not necessarily limited to, new sewer connection fees, monthly sewer user fees, issues of revenue bonds via a Community Facilities District and builder impact fees. In addition, the Town of Buckeye maintains a healthy ratio between revenues and its bonded indebtedness. Thus the Town has sufficient financial capability to support a Community Facilities District and the operations and maintenance of the plant. This sound fiscal management will insure a healthy stability in our continual town growth.

Sincerely yours,
Town of Buckeye

Ronald Brown
Finance Director

CITY/TOWN OF BUCKEYE
 Summary Schedule of Estimated Revenues and Expenditures/Expenses
 Fiscal Year 2005-06

FUND	ADOPTED BUDGETED EXPENDITURES/ EXPENSES 2004-05*	ACTUAL EXPENDITURES/ EXPENSES 2004-05**	FUND BALANCE/ NET ASSETS*** July 1, 2005**	DIRECT PROPERTY TAX REVENUES 2005-06	ESTIMATED REVENUES OTHER THAN PROPERTY TAXES 2005-06	OTHER FINANCING 2005-06 SOURCES <USES>		INTERFUND TRANSFERS 2005-06 IN <OUT>		TOTAL FINANCIAL RESOURCES AVAILABLE 2005-06	BUDGETED EXPENDITURES/ EXPENSES 2005-06
1. General Fund	\$ 21,742,173	\$ 15,661,884	\$ 5,000,000	Primary: \$ 1,308,174	\$ 19,240,557	\$	\$	\$	\$ 1,211,692	\$ 24,337,039	\$ 21,328,076
2. Special Revenue Funds	1,756,212	1,508,000	1,039,000	Secondary: 326,195	6,397,929			1,168,205		8,931,329	7,868,652
3. Debt Service Funds Available	892,463	892,463	362,000		465,368			420,235		1,247,603	1,211,798
4. Less: Designation for Future Debt Retirement											
5. Total Debt Service Funds	892,463	892,463	362,000		465,368			420,235		1,247,603	1,211,798
6. Capital Projects Funds	12,454,457	2,500,000	15,502,000		16,739,526					32,241,526	32,241,526
7. Permanent Funds	43,295	44,490	8,000		35,350					43,350	43,350
8. Enterprise Funds Available	5,429,496	5,777,192	3,306,818		9,657,232				376,748	12,587,302	12,122,504
9. Less: Designation for Future Debt Retirement											
10. Total Enterprise Funds	5,429,496	5,777,192	3,306,818		9,657,232				376,748	12,587,302	12,122,504
11. Internal Service Funds											
12. TOTAL ALL FUNDS	\$ 42,318,096	\$ 26,384,029	\$ 25,217,818	\$ 1,634,369	\$ 52,535,962	\$	\$	\$ 1,588,440	\$ 1,588,440	\$ 79,388,149	\$ 74,815,906

EXPENDITURE LIMITATION COMPARISON

1. Budgeted expenditures/expenses
2. Add/subtract: estimated net reconciling items
3. Budgeted expenditures/expenses adjusted for reconciling items
4. Less: estimated exclusions
5. Amount subject to the expenditure limitation
6. EEC or voter-approved alternative expenditure limitation

2004-05	2005-06
\$ 42,318,096	\$ 74,815,906
42,318,096	74,815,906
\$ 42,318,096	\$ 74,815,906
\$	\$

☐ The city/town does not levy property taxes and does not have special assessment districts for which property taxes are levied. Therefore, Schedule B has been omitted.

* Includes Expenditure/Expense Adjustments Approved In 2004-05 from Schedule E.

** Includes actual amounts as of the date the proposed budget was prepared, adjusted for estimated activity for the remainder of the fiscal year.

*** Amounts in this column represent Fund Balance/Net Asset amounts except for amounts invested in capital assets, net of related debt, and reserved/restricted amounts established as offsets to assets presented for informational purposes (i.e., prepaids, inventory, etc.).



JF Properties INC

July 6, 2005

Mr. Carroll Reynolds
Town of Buckeye
100 North Apache
Buckeye, AZ 85326

RE: Trillium West MAG 208 Financing Requirement

Dear Carroll,

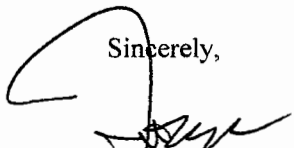
The purpose of this letter is to describe the financing that will be utilized in constructing the new 2.8 million gallon wastewater treatment plant located within the Trillium West development property boundary. As you know, this treatment plant service area encompasses the Trillium West development only. Trillium West (Owner), JF Properties, Inc. (Developer), and the Town of Buckeye will amend the existing Development Agreement to outline the details of the party's financial relationship as we get closer to the first phase of design and construction.

The first phase is approximately 320,000 gallons per day, and is sized to service the initial 1,000 dwelling units in Trillium West. Trillium West is anticipating this cost to be approximately \$9.50 per gallon for a grand total of \$3.04 million dollars. Trillium West will be financially responsible for the entire cost of the first phase of the plant. We will provide the necessary financial assurances to the Town, in the form of a performance bond or irrevocable standby letter of credit to insure completion of the first phase. Upon completion, the Town will issue to Trillium West impact fee credits for the wastewater treatment plant improvements Trillium West paid for.

Upon reaching 80% capacity of the first phase of the plant, Trillium West will begin design of the second phase. Upon reaching 90% capacity of the first phase, Trillium West will begin construction of the second phase. The size of the second phase expansion will be based upon service area growth projections and historic hydraulic flows at the time of second phase design. Again, Trillium West will provide the necessary financial assurances to the Town, in the form of a performance bond or an irrevocable standby letter of credit to insure completion of the second and future phases necessary to service the Trillium West property. Trillium West shall have no financial obligation towards phased plant expansions that do not service the Trillium West property. The details of the financial arrangement between the Town, Trillium West, and JF Properties, Inc. will be finalized in a future amendment to the Development Agreement.

Please call me with questions.

Sincerely,



Joel Farkas
Manager

CC: David Solomon, Makai Development Services, Inc.
Kimo Seymour, Makai Development Services, Inc.
Tom DiRito, JF Properties, Inc.
Brad Simons, JF Properties, Inc.
Keith Watkins, JF Properties, Inc.

Appendix C

Pre-application – APP Meeting

ADEQ Pre-application meeting--TRILLIUM WEST WASTEWATER TREATMENT FACILITY, 6/7/05

Attendees: Kieth Watkins, JF Properties
Ed Adair, CSA Engineering
Peter Chan, CSA Engineering
Steve Noel, SW Groundwater Consulting
Jeff Chavez, SW Groundwater Consulting
Kaumil Parghi, ADEQ
Tito Comparan, ADEQ

1. Adair introduced the general description of the 208 Amendment outlining the salient points
2. Chan gave a detailed description of the wastewater facility including proposed process technology, phasing, and the transitioning from an initial SBR process to an ultimate MLE process. ADEQ representatives were in agreement with the concept.
3. Groundwater/geotechnical issues were discussed in which the existence of the investigation on the original site (approx one mile east of the new site) was introduced. A strategy whereby preliminary shallow hole borings would be drilled to determine the degree of correlation between the soil types and lithology. Based upon a sound correlation, the original data could be integrated with an amended report, thus reducing the level of effort extensively. The ADEQ representatives agreed with this course of action. The need for a monitoring well and its siting was discussed including the need to gather water quality data 8 to 12 months in advance of discharging effluent into recharge basins. This means that the monitoring well will be on the critical path assuming 6-7 month design and 12 month construction period from today.
4. ADEQ representatives pointed out the need to make the APP application based upon the ultimate 2.8 MGD facility in order to avoid going through the entire APP process with each phase and thus reducing the overall level of effort and time that would be required. The only requirement for each subsequent phase would be an amendment to the APP showing what the next phase would encompass. Assuming no changes in process technology or deletions in process units, the amendment process would be minor. Under this approach, the ADEQ review process would require an ultimate site plan that would detail a site plan showing all planned phases and units, a process flow diagram, a hydraulic profile, and a site grading plan. A complete set of contract drawings and specifications will be required for review on the initial phase. In addition ADEQ will require a total of three sets complete process design calculations initial phase, second phase, and conversion calcs for transitioning from SBR to MLE process. ADEQ representatives provided CSA with a multipage checklist regarding what will be expected for the application with regard to data, etc. An initial review fee of \$1,000 will be required of the applicant (JF Properties). The estimated total review fee will be in the range of \$7-9,000.

The amendment process must be completed by ADEQ within 221 business days of receipt of the application not including applicant time in responding to ADEQ inquiries, comments, and requests for additional data. In general the overall process will require a minimum of 365 days.

5. This pre-application meeting fulfills the MAG requirement for having held such a meeting with ADEQ 30-60 days in advance of their (MAG) public hearing.

THE ARIZONA REPUBLIC

**PUBLIC HEARING ON THE
DRAFT MAG 208 WATER
QUALITY MANAGEMENT
PLAN AMENDMENTS FOR
THE TOWN OF BUCKEYE TRIL-
LIUM WEST WASTEWATER
TREATMENT FACILITY AND
TOWN OF BUCKEYE PALO
VERDE ROAD WASTEWATER
TREATMENT PLANT ARIZONA
POLLUTANT DISCHARGE
ELIMINATION SYSTEM PER-
MIT DISCHARGE TO THE
ROOSEVELT IRRIGATION DIS-
TRICT CANAL**

Tuesday, February 7, 2006 at
2:00 p.m.

MAG Office, Suite 200 - Sa-
guaro Room
302 North 1st Avenue
Phoenix, Arizona 85003

The Maricopa Association of
Governments (MAG) will con-
duct a public hearing on the
Draft MAG 208 Plan Amend-
ments for the Town of Buck-
eye Trillium West Wastewa-
ter Treatment Facility and
the Town of Buckeye Palo
Verde Road Wastewater
Treatment Plant Arizona Pol-
lutant Discharge Elimination
System (AZPDES) Permit Dis-
charge to the Roosevelt Irri-
gation District Canal. The pur-
pose of the hearing is to re-
ceive public comments on
the draft amendments.

The proposed Trillium West
Wastewater Treatment Facili-
ty would have an ultimate ca-
pacity of 11 million gallons
per day (mgd) and would be
located in the southwest
quarter of Section 24 of
Township 3 North, Range 5
West. Reclaimed water
would be disposed of
through reuse, recharge, and
an AZPDES Permit discharge
to the Hassayampa River or
the Wagner Wash.

The Palo Verde Road Waste-
water Treatment Plant is
identified in the current MAG
208 Plan with an ultimate ca-
pacity of 10.2 mgd and re-
claimed water being dis-
posed of through reuse, re-
charge, and AZPDES Permit
discharges to the Buckeye
Water Conservation and
Drainage District Canal for re-
use and the Hassayampa Riv-
er. This amendment would
identify an additional
AZPDES Permit discharge for
the Palo Verde Road Waste-
water Treatment Plant to ac-
commodate future effluent
discharges into the
Roosevelt Irrigation District
Canal for reuse.

Following consideration of
comments received, it is an-
ticipated that the MAG Wa-
ter Quality Advisory Commit-
tee will make a recommenda-
tion to the MAG Manage-
ment Committee. On Febru-
ary 8, 2006, the MAG Manage-
ment Committee is anticipat-
ed to make a recommenda-
tion to the MAG Regional
Council. It is anticipated that
the MAG Regional Council
will take action of the draft
plan amendments on Febru-
ary 22, 2006.

The draft documents will be
available for public review at
the MAG Office from 8:00
a.m. to 5:00 p.m. Monday
through Friday beginning De-
cember 27, 2005. Copies will
also be available for review
at the Glendale Public Li-
brary, 5959 West Brown
Street, City of Mesa Library,
64 East First Street, and
Phoenix Central Public Li-
brary, 1221 North Central
Avenue. Public comments
are welcome at the hearing,
or may be submitted in writ-
ing by 2:00 p.m. on February
7, 2006 to MAG staff at the ad-
dress below.

Contact Person: Julie Hoffman
302 North 1st Avenue, Suite
300
Phoenix, Arizona 85003
Fax: (602) 254-6490
05104-December 24, 2005.

STATE OF ARIZONA
COUNTY OF MARICOPA } SS.

TOM BIANCO, being first duly sworn, upon oath deposes
and says: That he is the advertising manager of the Arizona
Business Gazette, a newspaper of general circulation in the
county of Maricopa, State of Arizona, published at Phoenix,
Arizona, by Phoenix Newspapers Inc., which also publishes
The Arizona Republic, a newspaper of general circulation in
the State of Arizona, and that the copy hereto attached is a
true copy of the advertisement published in the said paper,
named below, on the dates as indicated below:

The Arizona Republic

December 24, 2005

Sworn to before me this
27TH day of
December A.D. 2005



Marilyn Greenwood
Notary Public

December 27, 2005

TO: Interested Parties for Water Quality

FROM: Julie Hoffman, Environmental Planner

SUBJECT: PUBLIC HEARING ON THE DRAFT MAG 208 WATER QUALITY MANAGEMENT PLAN AMENDMENTS FOR THE TOWN OF BUCKEYE TRILLIUM WEST WASTEWATER TREATMENT FACILITY AND TOWN OF BUCKEYE PALO VERDE ROAD WASTEWATER TREATMENT PLANT ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT DISCHARGE TO THE ROOSEVELT IRRIGATION DISTRICT CANAL

Public Hearing

February 7, 2006 at 2:00 p.m.
MAG Office, Saguaro Room
302 North 1st Avenue, Second Floor
Phoenix, Arizona 85003

The Maricopa Association of Governments (MAG) will conduct a public hearing on the Draft MAG 208 Water Quality Management Plan Amendments for the Town of Buckeye Trillium West Wastewater Treatment Facility and Town of Buckeye Palo Verde Road Wastewater Treatment Plant Arizona Pollutant Discharge Elimination System (AZPDES) Permit Discharge to the Roosevelt Irrigation District Canal. The purpose of the hearing is to receive public comments on the draft plan amendments.

The proposed Trillium West Wastewater Treatment Facility would have an ultimate capacity of 11 million gallons per day (mgd) and would be located in the southwest quarter of Section 24 of Township 3 North, Range 5 West. Reclaimed water would be disposed of through reuse, recharge, and an AZPDES Permit discharge to the Hassayampa River or the Wagner Wash.

The Palo Verde Road Wastewater Treatment Plant is identified in the current MAG 208 Plan with an ultimate capacity of 10.2 mgd and reclaimed water being disposed of through reuse, recharge, and AZPDES Permit discharges to the Buckeye Water Conservation and Drainage District Canal for reuse and the Hassayampa River. This amendment would identify an additional AZPDES Permit discharge for the Palo Verde Road Wastewater Treatment Plant to accommodate future effluent discharges into the Roosevelt Irrigation District Canal for reuse.

For your information and convenience, a copy of the public hearing notice is enclosed. The draft documents are available for public review at the MAG Office, third floor from 8:00 a.m. to 5:00 p.m. Monday through Friday. Copies are also available for review at the Glendale Public Library, 5959 West Brown Street; City of Mesa Library, 64 East First Street; and Phoenix Central Library, 1221 North Central Avenue. For further information or to submit written comments on the draft amendments prior to the hearing, please contact me at (602) 254-6300.

A Voluntary Association of Local Governments in Maricopa County

**PUBLIC HEARING ON THE DRAFT MAG 208 WATER QUALITY MANAGEMENT PLAN
AMENDMENTS FOR THE TOWN OF BUCKEYE TRILLIUM WEST WASTEWATER
TREATMENT FACILITY AND TOWN OF BUCKEYE PALO VERDE ROAD WASTEWATER
TREATMENT PLANT ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT DISCHARGE TO THE ROOSEVELT IRRIGATION DISTRICT CANAL**

Tuesday, February 7, 2006 at 2:00 p.m.
MAG Office, Suite 200 - Saguaro Room
302 North 1st Avenue
Phoenix, Arizona 85003

The Maricopa Association of Governments (MAG) will conduct a public hearing on the Draft MAG 208 Plan Amendments for the Town of Buckeye Trillium West Wastewater Treatment Facility and the Town of Buckeye Palo Verde Road Wastewater Treatment Plant Arizona Pollutant Discharge Elimination System (AZPDES) Permit Discharge to the Roosevelt Irrigation District Canal. The purpose of the hearing is to receive public comments on the draft amendments.

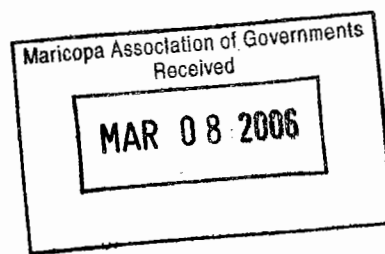
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The Palo Verde Road Wastewater Treatment Plant is identified in the current MAG 208 Plan with an ultimate capacity of 10.2 mgd and reclaimed water being disposed of through reuse, recharge, and AZPDES Permit discharges to the Buckeye Water Conservation and Drainage District Canal for reuse and the Hassayampa River. This amendment would identify an additional AZPDES Permit discharge for the Palo Verde Road Wastewater Treatment Plant to accommodate future effluent discharges into the Roosevelt Irrigation District Canal for reuse.

Following consideration of comments received, it is anticipated that the MAG Water Quality Advisory Committee will make a recommendation to the MAG Management Committee. On February 8, 2006, the MAG Management Committee is anticipated to make a recommendation to the MAG Regional Council. It is anticipated that the MAG Regional Council will take action of the draft plan amendments on February 22, 2006.

The draft documents will be available for public review at the MAG Office from 8:00 a.m. to 5:00 p.m. Monday through Friday beginning December 27, 2005. Copies will also be available for review at the Glendale Public Library, 5959 West Brown Street; City of Mesa Library, 64 East First Street; and Phoenix Central Public Library, 1221 North Central Avenue. Public comments are welcome at the hearing, or may be submitted in writing by 2:00 p.m. on February 7, 2006 to MAG staff at the address below.

Contact Person: Julie Hoffman
302 North 1st Avenue, Suite 300
Phoenix, Arizona 85003
Fax: (602) 254-6490



MARICOPA ASSOCIATION OF GOVERNMENTS WATER
QUALITY ADVISORY COMMITTEE MEETING AND
PUBLIC HEARING ON THE DRAFT MAG 208 WATER
QUALITY MANAGEMENT PLAN AMENDMENTS FOR THE
TOWN OF BUCKEYE TRILLIUM WEST WASTEWATER
TREATMENT FACILITY AND TOWN OF BUCKEYE
PALO VERDE ROAD WASTEWATER TREATMENT PLANT
ARIZONA POLLUTANT DISCHARGE ELIMINATION
SYSTEM PERMIT DISCHARGE TO THE ROOSEVELT
IRRIGATION DISTRICT CANAL

Phoenix, Arizona
February 7, 2006
2:00 p.m.

Glennie
Reporting Services

5333 North 7th Street
Suite B110
Phoenix, Arizona 85014-2840

(602) 266-6535 Phone
(602) 266-9661 Fax

Prepared by:
Janet Hauck, RPR
Arizona Certified
Reporter Number 50522

Prepared for:
Maricopa Association of
Governments

(Original)

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1 The Public Hearing was taken on February 7,
2 2006, commencing at 2:00 p.m., at the offices of the
3 Maricopa Association of Governments, 302 North 1st
4 Avenue, Suite 200, Phoenix, Arizona, before
5 JANET HAUCK, RPR, a Certified Reporter, Certificate
6 No. 50522, for the State of Arizona.

7
8 **Committee Members Present:**

9 Roger Klingler, City of Scottsdale, Chair
10 Lucky Roberts, Town of Buckeye
11 Michael Salisbury, City of El Mirage
12 Chris Ochs, City of Glendale
13 David Iwanski, City of Goodyear
14 William Mattingly, City of Peoria
15 Robert Hollander, City of Phoenix
16 Rich Williams, Sr., City of Surprise
17 David McNeil, City of Tempe
18 Ken James, Maricopa County
19 John Boyer, Pinnacle West Capital
20 Patrick Clay, U of A Cooperative Extension

21
22 **Committee Members Attending**
23 **by Telephone Conference Call:**

24 Jacqueline Strong, City of Chandler
25 Bill Haney, City of Mesa

26 **Others Present:**

27 Ron Frey, Kennedy/Jenks Consultants
28 Fred Goldman, Kennedy/Jenks Consultants
29 John Tyldesley, CSA Engineering
30 Peter Chan, CSA Engineering
31 Keith Watkins, JF Properties
32 Jim Condit, JF Properties
33 Paul Gilbert, Beus Gilbert
34 Don Gorny, Mar-Wood, Inc.
35 Michele Robertson, Arizona Department of Environmental
36 Quality

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1 Others Present, Continuing2 Edwina Vogan, Arizona Department of Environmental
Quality

3 Steve Smith, Smith Consultants

Steve Speyer, Speyer & Associates, P.C.

4 Gene Cetwinski, ESCA Environmental

Charles Civer, Charles Civer Real Estate

5 Julie Hoffman, Maricopa Association of Governments

Ann Wimmer, Maricopa Association of Governments

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MR. KLINGLER: I'd now like to open our public hearing on Draft MAG 208 Plan Amendments for the Town of Buckeye Trillium West Wastewater Treatment Facility and the Town of Buckeye Palo Verde Road Wastewater Treatment Plant Arizona Pollutant Discharge Elimination System Permit Discharge to the Roosevelt Irrigation District Canal.

We'll begin with a briefing on each draft amendment. And then following the briefings, hearing participants are invited to make comments for the public record. We do have a court reporter present to provide an official record of the hearing. Written comments are also welcome.

For those wishing to speak on the draft amendments, please fill out a yellow card and hand it to Julie or MAG staff here.

First, Paul Gilbert of Beus Gilbert and Peter Chan of CSA Engineering will provide a briefing on the Draft Buckeye Trillium West Amendment. Paul, or Peter, or both?

MR. GILBERT: Thank you, Mr. Chairman. Nice to see you again. My name is Paul Gilbert, 4800 North Scottsdale Road. I'm an attorney with the law firm of Beus Gilbert and representing JF Properties in

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1 connection with the Trillium West MAG 208 Amendment.

2 I've presented most of this to many of
3 you before. I've got to tell you, I don't know why we
4 have so many hearings on these, but I suppose I
5 shouldn't complain since I'm paid by the word. But at
6 the risk of boring some of you, let me just briefly
7 outline this project and tell you somewhat about it.

8 Peter will focus on some of the more
9 technical aspects. I'm here on behalf of JF Properties
10 who is the proposed developer of Trillium. With me and
11 also available to answer questions in addition to Peter
12 Chan who is our wastewater engineer is Jim Condit --
13 want to stand, Jim -- who is our in-house engineer, and
14 Keith Watkins. I don't know what he does, but he
15 always comes to these hearings with me.

16 We want you to know at the outset that JF
17 Properties may not exactly be a household name to many
18 of you. Relatively speaking, we're new in the area,
19 but we're engaged virtually all over the valley. We
20 are a serious developer. This is not a put-together
21 plan and get something approved and then let someone
22 else come in and do it. We will be the actual
23 developer. We're developing Trillium West. And as
24 we'll talk about further on in the presentation, we're
25 not just putting this in and spinning it over to

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1 someone else. You're talking to the people that will
2 be developing this project.

3 Basically, the ownership and operation is
4 spelled out here on our PowerPoint presentation. The
5 financing will be by JF Properties. Obviously,
6 eventually, the Town of Buckeye will be the owner. As
7 is standard and customary, we'll put in the facility,
8 we'll pay for it, and then we have the privilege of
9 turning it over to the Town of Buckeye. They will, in
10 turn, operate it or bring in a contract operator.
11 We're not sure which one they will pursue.

12 Trillium is a 3,000 acre development in the
13 Town of Buckeye. It's located, as you can see there
14 basically off the Sun Valley Parkway. 3,000 acres
15 borders the parkway here, and we're entirely within the
16 Town of Buckeye.

17 We were part of the original Sun Valley Area
18 Plan which was approved in 1996, and the Trillium
19 Comprehensive Master Plan was later approved by the
20 Town of Buckeye recently in 2004.

21 Trillium, as you know, we have to do that as
22 a follow-up before you can proceed. We have that
23 approval. We've incidentally reduced the number of
24 dwelling units that was approved in the Sun Valley Area
25 Plan by almost 1,000 units. Not that that would

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1 interest you, but it makes us feel good in saying it.

2 The preliminary plat was approved by the Town
3 Development Board in October of 2005, and this
4 preliminary plat was for 1,230 of the 3,000 acres.
5 This constitutes Villages 1, 2 and 3. And we're in the
6 process now of preparing the final plat which will, in
7 the very near future, be submitted to Buckeye for
8 approval. We also have filed a preliminary plat for
9 the remaining 1,812 acres.

10 So, very soon, we will have approval for
11 development of the entire 3,000 acres that constitutes
12 the Trillium project. We've gone to a lot of detail in
13 addressing some of the major issues. We've worked out
14 schools, fire, police, water and sewer, all to the
15 satisfaction of Buckeye.

16 You should also be aware that we participated
17 in the regional studies that have taken place here.
18 I'll point out we participated in the Hassayampa Basin
19 study. We're a signatory to the cost sharing
20 agreement. We've obtained a 404 delineation of
21 jurisdictional wetlands from the Federal Government.
22 We filed for a 404 permit to define the construction
23 boundaries of the wetlands. We expect to have that
24 permit very soon.

25 We've also obtained an analysis of assured

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1 water supply. We have been provided support from the
2 Town of Buckeye through this MAG 208 Amendment
3 application. We've worked with the school district and
4 everybody you have to work with. I'll just summarize
5 that. We've done it.

6 So, we believe that this is a project that is
7 in a position where now it can go forward subject to
8 this 208 Amendment which, as noted, has the complete
9 support of the Town of Buckeye.

10 This is phase 1 of the 20-year regional
11 solution. And we'll point out in just a moment we're
12 preparing this treatment facility so that it will not
13 only serve the Trillium project, but is available for
14 both expansion and by design so that it can accommodate
15 other development in the area.

16 We estimate that the 2026 Trillium population
17 will be basically in this vicinity. By 2026, the
18 population of Trillium will be about 25,000 people, and
19 then we've broken that down for you as to how the
20 development shakes down with densities and commercial
21 and schools and so on.

22 The regional facility, as I indicated, is
23 designed for expansion. So, we've got room in here so
24 that we can do expansion in the event the property
25 adjacent to us and to the north decides also to use

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1 this regional facility. We've worked closely with the
2 Town of Buckeye to ensure that that works.

3 Wastewater flows are by gravity to the
4 treatment plant. We have sufficient setbacks. We
5 submit this as effective use of the land, and we are
6 close to a discharge location.

7 I'm going to turn the discussion of the
8 facility design over to Peter. He'll give you some
9 more specifics, and then I'll just wrap up.

10 MR. CHAN: Thank you, Paul. Good afternoon,
11 everyone. The preliminary treatment plant is actually
12 going to be designed in four phases. We are designing
13 the first phase which is SBR, a sequencing batch
14 reactor, a treatment bioreactor. Phases 2, 3 and 4 are
15 going to be converted. The phase 1 treatment plant is
16 going to be converted to a MLE process, straight
17 flow-through process.

18 Right now, the SBR will be designed to remove
19 nitrogen from the influent raw sewage. We're going to
20 pass it through a sand filter and then followed by UV
21 disinfection, and it will be recharged on-site and has
22 a potential of using it for irrigation, too. We will
23 meet the ADEQ Title 18 Class A+ Effluent Standards.
24 The biosolids will be Class B.

25 This is a process diagram of the Trillium

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1 West Wastewater Treatment Plant. Like Paul mentioned,
2 it will flow in by gravity through the influent pump
3 station, and then it flows through fine screens, and
4 then into two SBR tanks. We will have a aerobic
5 digester in the middle to thicken the solids a little
6 bit more than what we have in the SBR. And then it
7 will go through two sand filters, UV disinfection. And
8 the whole plant is going to be -- at least the
9 processors that are going to give off odors are going
10 to be controlled using GAC filters, and it's going to
11 have its own effluent pump station and recharge basins.

12 The lower part of this slide shows the
13 expansion. And the same plant is going to be expanded.
14 As you can see, from this SBR, we're going to expand it
15 and change it to a flow-through MLE process. And
16 ultimately, the Town of Buckeye is going to receive a
17 treatment plant that is unified, so all the shapes of
18 the clarifier and the bioreactors are the same. So,
19 it's not a small plant, and then we're trying to expand
20 it in different shapes and sizes. So, it's going to be
21 one unified plant up to 2.8 MGD.

22 The water quality coming out of the treatment
23 plant is Class A+ in which turbidities can be left in
24 two NTUs over a 24-hour mean and with a maximum of five
25 NTUs. The fecal coliform standards are shown, and then

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1 the nitrogen is going to be less than 10. In fact, our
2 design is based on 8 milligrams per liter.

3 Well, with that, I'm going to turn it over to
4 Paul to finish up the presentation.

5 MR. GILBERT: I think that pretty well does
6 it. I'm just tempted to see if I can give Rich
7 Williams a little pop quiz on the statistics on our --
8 never mind. I can't even say it.

9 Let me just say, 33 percent of the total
10 project area will be provided an active open space.
11 It's a terrific project that's very enthusiastically
12 endorsed by the Town of Buckeye. And we think we've
13 got a good project, and we're ready to go forward.
14 This is kind of the last important regulatory step that
15 we need to conclude. I'll be happy to answer any other
16 questions that you have.

17 MR. KLINGLER: Thank you, Paul. Thank you,
18 Peter, and thank you for Jim Condit, too. I know that
19 he's been very helpful to you. He benefitted from good
20 management in Scottsdale when he was there. So, you're
21 lucky to have Jim.

22 MR. GILBERT: Thank you.

23 MR. KLINGLER: We appreciate this
24 presentation and the thorough presentation you provided
25 us at the last meeting where we had an opportunity to

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1 ask a lot of in-depth questions that you responded to.
2 So, I think we're very well briefed. Anything else at
3 this point? I appreciate it. Thank you, gentlemen.

4 MR. GILBERT: Pleasure.

5 MR. KLINGLER: What we're going to do is go
6 right to the next hearing, and then we'll consider
7 these formally after the public comments.

8 So, Fred Goldman of Kennedy Jenks Consultants
9 is going to give us a briefing on the second hearing
10 item, the Draft Buckeye Palo Verde Road Amendment.
11 Fred.

12 MR. GOLDMAN: Thank you very much. Our
13 presentation is very short. We have already gone
14 through a 208 Amendment for the entire project which
15 was approved in February. The plant is a 10.2 million
16 gallon per day plant to be built in phases starting
17 with .25 MGD going to 1 MGD all the way up to 10.2.
18 And the purpose of this amendment today is to obtain an
19 approval to amend the 208 to allow a discharge to the
20 Roosevelt Irrigation Canal. Currently, the 208 allows
21 a discharge to the Buckeye Irrigation Canal which is to
22 the south, a discharge to Hassayampa River and there
23 are recharges also allowed in the 208 Amendment.

24 So, our change is to go to the north to the
25 RID Canal. And the Roosevelt Irrigation District has

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1 expressed an interest in receiving our effluent. The
2 effluent will be treated to an A+ quality, and it will
3 be very useful for the customers of the Roosevelt
4 Irrigation District. That's located up here and our
5 plant is located in this area.

6 The general location, Palo Verde Road, is the
7 continuation of the parkway. The parkway is to the
8 north, and it's about half mile north of Southern
9 Avenue. That's where we are, in general, located in
10 the Town of Buckeye.

11 The permits that will be required are the
12 AZPDES permit which has to have a 208 approval, the
13 Aquifer Protection Permit, and that will require an
14 amendment to the one that we have now, and of course,
15 an approval to construct from Maricopa County for the
16 effluent line that will go to the canal and discharged
17 into the canal.

18 I'll be happy to answer any questions if you
19 have any.

20 MR. KLINGLER: Appreciate that presentation,
21 Fred. Are there any questions at this point? So,
22 we'll continue with the public hearing, thank you.

23 So, at this time, we'd like to invite any
24 public comments on each or either one of the Draft 208
25 Amendments. Julie, did we get any cards? Okay. So,

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1 we have not received any cards. And if there are any
2 written comments, those will be considered, also.
3 Don't have those.

4 So, at this point, I guess I would like to
5 close the public hearing and request the court reporter
6 to end the transcription. Thank you very much.

7 (The public hearing portion of the
8 proceedings concluded at 2:26 p.m.)

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STATE OF ARIZONA)
)
COUNTY OF MARICOPA)

I, JANET HAUCK, a Certified Reporter,
Certificate No. 50522, in the State of Arizona, do
hereby certify that the foregoing pages constitute a
full, true, and accurate transcript of all proceedings
had in the foregoing matter, all done to the best of my
skill and ability.

I FURTHER CERTIFY that I am not related to
nor employed by any of the parties hereto, and have no
interest in the outcome hereof.

WITNESS my hand this 7th day of March, 2006.



Janet Hauck, RPR
Arizona Certified
Reporter No. 50522